

# Product Datasheet

## Recombinant Human Calpastatin GST (N-Term) Protein H00000831-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00000831-P01-10ug****Recombinant Human Calpastatin GST (N-Term) Protein**

| <b>Product Information</b>     |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| <b>Unit Size</b>               | 10 ug                                                                                       |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Store at -80C. Avoid freeze-thaw cycles.                                                    |
| <b>Preservative</b>            | No Preservative                                                                             |
| <b>Purity</b>                  | >80% by SDS-PAGE and Coomassie blue staining                                                |
| <b>Buffer</b>                  | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.                    |
| <b>Target Molecular Weight</b> | 100.5 kDa                                                                                   |

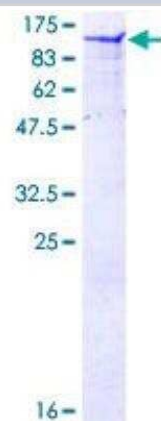
| <b>Product Description</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>              | <p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-686 of Human CAST</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b><br/> MNPTETKAVKTEPEKKSQSTKLSVVHEKKSQEGKPKEHTEPKSLPKQASDTGS<br/> NDAHNNKAVSRSAEQQPSEKSTEPKTKPQDMISAGGESVAGITAISGKPGDKK<br/> KEKKS LTPAVPVESKPDKPSGKSGMDAALDDLIDTLGGPEETEEENTTYTGPE<br/> VSDPMSSTYIEELGKREVTIPPKYRELLAKKEGITGPPADSSKPIGPDDAIDALSS<br/> DFTCGSPTAAGKKTEKEESTEVLKAQSAGTVRSAAPPQEKKRKVEKDTMSDQ<br/> ALEALSASLGTRQAEPELDLRSIKEVDEAKAKEEKLKCGEDDETIPSEYRLKPA<br/> TDKDGKPLLPEPEEKPKPRSESELIDELSEDFDRSECKEKPSKPTKTEESKAA<br/> APAPVSEAVCRTSMCSIQSAPPEPATLKGTVPDDAVEALADSLGKKEADPEDG<br/> KPVMDKVKEKAKEEDREKLGEKEETIPPDYRLEEVKDKDGKPLLPKESKEQLP<br/> PMSEDFLLDALSEDFSGPQNASSLKFEAKLAAAISEVVSQTPASTTQAGAPPR<br/> DTSQSDKDLDDALDKLSDSLGQRQPDENKPMEDKVKEKAKAEHRDKLGER<br/> DDTIPPEYRHLLDDNGQDKPVKPPTTKKSEDSKKPADDQDPIDALSGDLSDSCPS<br/> TTETSQNTAKDKCKKAASSSKAPKNGGKAKDSAKTTEETSKPKDD</p> |
| <b>Gene ID</b>                  | 831                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Symbol</b>              | CAST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Preparation Method</b>       | in vitro wheat germ expression system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Details of Functionality</b> | This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>                    | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| <b>Product Application Details</b> |                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Protein Array, Immunoaffinity Purification |
| <b>Recommended Dilutions</b>       | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Protein Array, Immunoaffinity Purification |



## Images

SDS-Page: Recombinant Human Calpastatin Protein [H00000831-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.





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### **Products Related to H00000831-P01-10ug**

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|               |                                            |
|---------------|--------------------------------------------|
| NBP2-38335PEP | Calpastatin Recombinant Protein Antigen    |
| 210-TA-005    | TNF-alpha [Unconjugated]                   |
| NBP2-01819    | Calpastatin Antibody (OTI1E7)              |
| AF835         | Caspase-3 Antibody [Unconjugated] - Active |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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