

# Product Datasheet

## Recombinant Human SerpinB2 Protein NBP2-35202-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-35202-100ug****Recombinant Human SerpinB2 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	5% Trehalose
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
<b>Purity</b>	>95%, by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1 mM Cysteine, with .
<b>Target Molecular Weight</b>	46.6 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 415 amino acids corresponding to SerpinB2 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P05120</p> <p><b>Amino Acid Sequence:</b> MEDLCVANTL FALNLFKHLA KASPTQNLFL SPWSISSTMA MVYMGSRGST EDQMAKVLQF NEVGANAVTP MTPENFTSCG FMQQIQKGSY PDAILQAQAA DKIHSSFRSL SSAINASTGN YLLESVNKLF GEKSASFRE YIRLCQKYYS SEPQAVDFLE CAEEARKKIN SWVKTQTKGK IPNLLPEGSV DGDTRMVLVN AVYFKGKWKT PFEKKLNGLY PFRVNSAQRT PVQMMYLREK LNIGYIEDLK AQILELPYAG DVSMFLLLPD EIADVSTGLE LLESEITYDK LNKWTSKDKM AEDEVEVYIP QFKLEEHYEL RSILRSMGME DAFNKGRANF SGMSEKNDLF LSEVFHQAMV DVNEEGTEAA AGTGGVMTGR TGHGGPQFVA DHPFLFLIMH KITNCILFFG RFSSP</p>
<b>Gene ID</b>	5055
<b>Gene Symbol</b>	SERPINB2
<b>Species</b>	Human
<b>Details of Functionality</b>	SerpinB2 protein is fully biologically active when compared to standard. The biologically active was determined by its inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole Buffer at 37 degrees C. Half maximal inhibition against 1.0 ug/ml of single chain tPA was at a concentration of 1.0 ug/ml.
<b>Endotoxin Note</b>	Less than 0.1 EU/ug of SerpinB2 as determined by LAL method.

<b>Product Application Details</b>	
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity





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### **Products Related to NBP2-35202-100ug**

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NBP1-83163PEP	SerpinB2 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
MAB8550	SerpinB2 Antibody (930109) [Unconjugated]
M6000B-1	IL-6 [HRP]

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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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