

# Product Datasheet

## Recombinant Human ALPK1 GST (N-Term) Protein H00080216-Q01-10ug

Unit Size: 10 ug

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

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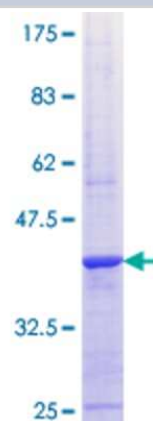


**H00080216-Q01-10ug****Recombinant Human ALPK1 GST (N-Term) Protein**

<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>	36.3 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with a N-terminal GST tag corresponding to the amino acid sequence 1147-1242 of Human ALPK1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  VVKTEYKATEYGLAYGHFSYEFNSNRDVVVDLQGWVTGNGKGLIYLTDPQIH  VDQKVFTTNFGKRGIFYFFNNQHVECNEICHRSLTRPSMEKP</p>
<b>Gene ID</b>	80216
<b>Gene Symbol</b>	ALPK1
<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, Protein Array, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification

## Images

SDS-Page: Recombinant Human ALPK1 Protein [H00080216-Q01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

X L, J Z, H J et al. ALPK1 Aggravates TMJOA Cartilage Degradation via NF- $\kappa$ B and ERK1/2 Signaling. J Dent Res. 2022-06-10 [PMID: 35689396]

Xin L, Jie Z, Henghua J et al. ALPK1 Accelerates the Pathogenesis of Osteoarthritis by Activating NLRP3 Signaling. J Bone Miner Res. 2022-08-22 [PMID: 36053817]



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### **Products Related to H00080216-Q01-10ug**

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NBP1-83593PEP	ALPK1 Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
H00080216-B01P	ALPK1 Antibody
M6000B-1	IL-6 [HRP]

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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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