

Product Datasheet

Recombinant Human Peptidase Inhibitor 16/PI16 GST (N-Term) Protein H00221476-P01-10ug

Unit Size: 10 ug

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

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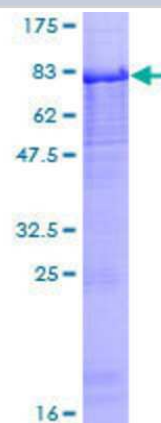
H00221476-P01-10ug**Recombinant Human Peptidase Inhibitor 16/PI16 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	70.8 kDa
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-408 of Human PI16</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MHGSCSFLMLLLPLLLLLVATTGPVGALTDEEKRLMVELHNLRYRAQVSPTASD MLHMRWDEELAAFAKAYARQCVWGHNKERGRRGENLFAITDEGMDVPLAME EWHHEREHYNLSAATCSPGQMCQHYTQVWAKTERIGCGSHFCEKLQGVVEE TNIELLVCNYEPPGNVKGKRPYQEGTPCSQCPSGYHCKNSLCEPIGSPEDAQD LPYLVTEAPSFRAATEASDSRKMGTSSLATGIPAFLVTEVSGSLATKALPAVET QAPTSLATKDPPSMATEAPPCVTTEVPSILAAHSLPSLDEEPVTFPKSTHVPIPK SADKVTDKTKVPSRSPENSLDPKMSLTGARELLPHAQEEAEAEALPPSSEVL ASVFPAQDKPGELQATLDHTGHTSSKSLPKFPQYLCHR</p>
Gene ID	221476
Gene Symbol	PI16
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	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.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



Images

Recombinant Human Peptidase Inhibitor 16/PI16 Protein [H00221476-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Lupsa N, Ersek B, Horvath A et al. Skin-homing CD8+ T cells preferentially express GPI-anchored peptidase inhibitor 16, an inhibitor of cathepsin K. *Eur J Immunol* 2018-11-09 [PMID: 30365157]

Nicholson IC, Mavrangelos C, Bird DR et al. PI16 is expressed by a subset of human memory Treg with enhanced migration to CCL17 and CCL20. *Cell Immunol.* 2012-04-06 [PMID: 22533972]



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Products Related to H00221476-P01-10ug

NBP1-92254PEP	Peptidase Inhibitor 16/PI16 Recombinant Protein Antigen
NB100-39002	FoxP3 Antibody - BSA Free
AF4929	Peptidase Inhibitor 16/PI16 Antibody [Unconjugated]
AF114	CD45 Antibody [Unconjugated]

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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