

Product datasheet

Recombinant Human Methionine Aminopeptidase 2/p67 protein (His tag) ab232796

Description

Product name	Recombinant Human Methionine Aminopeptidase 2/p67 protein (His tag)	
Purity	> 85 % SDS-PAGE. Affinity purified.	
Expression system	Baculovirus infected insect cells	
Accession	<u>P50579</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	AGVEEVAASGSHLNGDLDPDDREEGAASTAEAAKRR RKKKSKGPSAA GEQEPDKESGASVDEVARQLERSALEDKERDEDEDG DGDGDGATGKKKK KKKKKRGPVKVQTDPPSVPICDLYPNGVFPKGQECEYPPT QDGRRTAAWRRT SEEKKALDQASEEWNDFREAAEAHRQVRKYVMSWIKPG MTMIEICEKLE DCSRKLIKENGLNAGLAFPTGCSLNNCAAHYTPNAGDTTV LQYDDICKID FGTHISGRIIDCAFTVTFNPKYDTLLKAVKDATNTGIKCAGID VRLCDVG EAIQEVMSYEVEIDGKTYQVKPIRNLNGHSIGQYRIHAGKT VPIVKGGE ATRMEEGEVYAIETFGSTGKGVVHDDMECSHYMKNFDVG HVPRLPRTKH LLNVINENFGTLAFCCRRLDRLGESKYLMAKLNLCDLGMD PYPPLCDIK GSYTAQFEHTILLRPTCKEVVSRGDDY	
Predicted molecular weight	53 kDa	
Amino acids	2 to 478	
Tags	His tag N-Terminus	
Additional sequence information	Myc tag C-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab232796** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as Methionine Aminopeptidase 2

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.2 Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)
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General Info

Function	Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo. Protects eukaryotic initiation factor EIF2S1 from translation-inhibiting phosphorylation by inhibitory kinases such as EIF2AK2/PKR and EIF2AK1/HCR. Plays a critical role in the regulation of protein synthesis.
Sequence similarities	Belongs to the peptidase M24A family. Methionine aminopeptidase eukaryotic type 2 subfamily.
Post-translational modifications	Contains approximately 12 O-linked N-acetylglucosamine (GlcNAc) residues. O-glycosylation is required for EIF2S1 binding.
Cellular localization	Cytoplasm. About 30% of expressed METAP2 associates with polysomes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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