antibodies

Datasheet for ABIN3115114 Meprin B Protein (AA 62-701) (rho-1D4 tag)





Overview

Quantity:	1 mg
Target:	Meprin B (MEP1B)
Protein Characteristics:	AA 62-701
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Meprin B protein is labelled with rho-1D4 tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA, Crystallization (Crys)

Product Details

Sequence:	NSIIGEKYRW PHTIPYVLED SLEMNAKGVI LNAFERYRLK TCIDFKPWAG ETNYISVFKG
	SGCWSSVGNR RVGKQELSIG ANCDRIATVQ HEFLHALGFW HEQSRSDRDD YVRIMWDRIL
	SGREHNFNTY SDDISDSLNV PYDYTSVMHY SKTAFQNGTE PTIVTRISDF EDVIGQRMDF
	SDSDLLKLNQ LYNCSSSLSF MDSCSFELEN VCGMIQSSGD NADWQRVSQV PRGPESDHSN
	MGQCQGSGFF MHFDSSSVNV GATAVLESRT LYPKRGFQCL QFYLYNSGSE SDQLNIYIRE
	YSADNVDGNL TLVEEIKEIP TGSWQLYHVT LKVTKKFRVV FEGRKGSGAS LGGLSIDDIN
	LSETRCPHHI WHIRNFTQFI GSPNGTLYSP PFYSSKGYAF QIYLNLAHVT NAGIYFHLIS
	GANDDQLQWP CPWQQATMTL LDQNPDIRQR MSNQRSITTD PFMTTDNGNY FWDRPSKVGT
	VALFSNGTQF RRGGGYGTSA FITHERLKSR DFIKGDDVYI LLTVEDISHL NSTQIQLTPA
	PSVQDLCSKT TCKNDGVCTV RDGKAECRCQ SGEDWWYMGE RCEKRGSTRD TIVIAVSSTV
	AVFALMLIIT LVSVYCTRKK YRERMSSNRP NLTPQNQHAF
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a

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Product Details

Characteristics: Made in Germany - from design to production - by highly experienced protein experts. Human MEP1B Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein. The big advantage of ordering our mode-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified. In the unlikely event that the protein cannot be expression plasmid, the first expression experiments or purification optimization). When you order this made to order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured all our experiments or purification of our recombinant proteins is measured using the absorbance at 280nm. The protein's abcorbance will be measured in several dilutions and is measured against its specific reference buffer. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's abcorbance will be measured in several dilutions and is measured against its specific reference buffer. Purification: Purification of membrane proteins expressed in bacculorius infected SF9 insect cells: Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot. The best performing detergent is used for solubilization and the proteins are purified vis their rhotD1		special request, please contact us.
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Endotoxin Level: Protein is endotoxin-free.	Sterility:	0.22 µm filtered
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Product Details

Grade:

Crystallography grade

Target Details

Target:	Meprin B (MEP1B)
Alternative Name:	MEP1B (MEP1B Products)
Background:	Membrane metallopeptidase that sheds many membrane-bound proteins. Exhibits a strong preference for acidic amino acids at the P1' position. Known substrates include: FGF19, VGFA, IL1B, IL18, procollagen I and III, E-cadherin, KLK7, gastrin, ADAM10, tenascin-C. The presence of several pro-inflammatory cytokine among substrates implicate MEP1B in inflammation. It is also involved in tissue remodeling due to its capability to degrade extracellular matrix components. {ECO:0000269 PubMed:21693781}.
Molecular Weight:	73.8 kDa Including tag.
UniProt:	Q16820
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

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Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process

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