

Product Data Sheet

Product Name: MEP1A Human
 Cat. No.: GP23911
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Meprin A Subunit Alpha; PABA Peptide Hydrolase; N-Benzoyl-L-Tyrosyl-P-Amino-Benzoic Acid Hydrolase Subunit Alpha; Meprin A; Alpha (PABA Peptide Hydrolase); Endopeptidase-2; EC 3.4.24.18; PPH Alpha; BA268F1.1 (Meprin A Alpha (PABA Peptide Hydrolase)); EC 3.4.24; PPHA; MEP1A.		
Amino Acid Sequence	<p>ADPVPIKYLPEENVHDADFG EQKDISEINL AAGLDFQGD ILLQKSRNGL RDPNTRWTFP IPYILADNLG LNAKGAILYA FEMFRLKSCV DFKPYEGESS YIIFQQFDGC WSEVGDQHVG QNISIGQGCA YKAIIEHEIL HALGFYHEQS RTDRDDYVNI WWDQILSGYQ HNFDTYDDSL ITDLNTPYDY ESLMHYQPFS FNKNASVPTI TAKIPEFNSI IGQRLDFSAI DLERLNRMYN CTTTHTLLDH CTFEKANICG MIQGTRDDTD WAHQDSAQAG EVDHTLLGQC TGAGYFMQFS TSSGSAEEAA LLESRIPLYK RKQQCLQFFY KMTGSPSDRL VVWVRRDDST GNVKRLVKVQ TFQGDHNDHW KIAHVVLKEE QKFRYLFQGT KGDPQNSTGG IYLDITLTPCPTGVWTV RNFSQVLENT SKGDKLQSPR FYNSEGYGFG VTLYPNSRES SGYLRALAFHV CSGENDAILE WPVENRQVII TILDQEPDVR NRMSSSMVFT TSKSHTSPAINDTVIWRPS RVGTYHTDCN CFRSIDLGWS GFISHQMLKR RSFLKNDDLI IFVDFEDITH LSQHHEHHH.</p>		
Formulation	MEP1A protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Meprin A subunit alpha (MEP1A) is a single-pass type I membrane protein which is a member of the peptidase M12A family. MEP1A is abundantly expressed in the kidney and intestinal epithelial cells, is secreted into the urinary tract and intestinal lumen, and found in leukocytes and cancer cells under certain conditions. MEP1A is capable of

Caution: Product has not been fully validated for medical applications. For research use only.

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proteolytically degrading extracellular matrix proteins, proteolytically processing bioactive proteins, and has a role in inflammatory processes.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MEP1A produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 589 amino acids (22-601 a.a.) and having a molecular mass of 67.4kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). MEP1A is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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