MEP1A / Meprin A Subunit Alpha (MEP1A) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	MEP1A / Meprin A Subunit Alpha, Recombinant Protein
Full Product Name	Human MEP1A / Meprin A Subunit Alpha Recombinant Protein
Product Gene Name	MEP1A recombinant protein
Product Synonym Names	Meprin A subunit alpha; Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha; PABA peptide hydrolase; PPH alpha
Host	E Coli
Form/Format	Liquid; 50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole, 10% Glycerol (PH8.0)
Purity/Purification	>95% by SDS-PAGE
Concentration	Reconstitution Dependent (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
OMIM	M82962 mRNA
3D Structure	ModBase 3D Structure for Q16819
Species	Human
Tag	His
Subunit	Homotetramer consisting of disulfide-linked alpha subunits, homooligomer consisting of disulfide-linked alpha subunit homodimers, or heterotetramer of two alpha and two beta subunits formed by non-covalent association of two disulfide-linked heterodimers (By similarity). Interacts with MBL2 through its carbohydrate moiety. This interaction may inhibit its catalytic activity.
Applications Tested/Suitable for MEP1A recombinant protein	ELISA (EIA), Western Blot (WB), Antigen Protein (AP), Protein Array
Related Product Information for MEP1A recombinant protein	MBS2903251 is a recombinant protein targeting MEP1A. Also known as Human MEP1A / Meprin A Subunit Alpha Recombinant Protein. Host: E Coli.
Other Notes	Small volumes of MEP1A recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEP1A. It may not necessarily be applicable to this product.

NCBI GI #	153070262
NCBI GeneID	4224
NCBI Accession #	NP_005579.2
UniProt Primary Accession #	Q16819
UniProt Related Accession #	Q16819
GenBank Nucleotide #	NP_005579.2
NCBI Official Full Name	meprin A subunit alpha

NCBI Official Synonym Full Names	meprin A subunit alpha
NCBI Official Symbol	MEP1A
NCBI Official Synonym Symbols	PPHA
UniProt Protein Name	Meprin A subunit alpha
UniProt Synonym Protein Names	Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha; PABA peptide hydrolase; PPH alpha
Protein Family	Meprin
UniProt Gene Name	MEP1A
NCBI Protein Information	meprin A subunit alpha
UniProt Comments for MEP1A	MEP1A: Belongs to the peptidase M12A family. Protein type: EC 3.4.24.18; Membrane protein, integral; Protease Chromosomal Location of Human Ortholog: 6p12.3 Cellular Component: extracellular space; integral to plasma membrane Molecular Function: protein binding Biological Process: digestion
Research Articles on MEP1A	**1.** Mep1A is overexpressed in most hepatocellular carcinomas and induces tumor cell migration and invasion. Mep1A expression is regulated by Reptin, and Mep1A mediates Reptin-induced migration.
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