Meprin A Alpha (MEP1a) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Meprin A Alpha (MEP1a), ELISA Kit
Full Product Name	Human Meprin A Alpha (MEP1a) Mini Samples ELISA Kit
Product Gene Name	MEP1a elisa kit
Product Synonym Names	PPHA; PABA Peptide Hydrolase; Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-Benzoic Acid Hydrolase Subunit Alpha; PABA Peptide Hydrolase
Species Reactivity	Human
Assay Type	Competitive Inhibition ELISA for Antigen Detection
Samples	Serum, plasma, Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	49.38-4000pg/mL
Sensitivity	19.3pg/mL
Molecular Weight	84,419 Da
OMIM	M82962 mRNA
3D Structure	ModBase 3D Structure for Q16819
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Product Categories/Family for MEP1a elisa kit	Metabolic pathway
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Related Product Information for MEP1a elisa kit	MBS2087285 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Meprin A Alpha (MEP1a) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing MEP1a. The ELISA analytical biochemical technique of the MBS2087285 kit is based on MEP1a antibody-MEP1a antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MEP1a antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MEP1a. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of MEP1a elisa kit 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 Secondary Accession #	Q8TDC9; Q9H1R1; A2RRM4; B0AZP9; B2RCS2

UniProt Related Accession #	Q16819
GenBank Nucleotide #	NM_005588.2
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.** Variants rs17468190 (G/T) in the MEP1A gene are associated with glucose and insulin metabolism in overweight/obese central European women with polycystic ovary syndrome.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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