

Active Recombinant Mouse Mep1a protein, His-tagged

Cat. No. Mep1a-2300M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mep1a protein(NP_032611.2)(Met1-Arg615), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-615 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Mca-YVADAPK(Dnp)-OH.The specific activity is >400 pmoles/min/μg.(Activation description: The proenzyme needs to be activated by Trypsin for an activated form)
Molecular Mass	The recombinant mouse MEP1A consists of 606 amino acids after removal of the signal peptide and has a predicted molecular mass of 69 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm MEP1A is approximately 80-90 kDa due to glycosylation.
Proteinlength	Met1-Arg615

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Mep1a meprin 1 alpha [Mus musculus]
Official Symbol	Mep1a
Synonyms	MEP1A; meprin 1 alpha; meprin A subunit alpha; meprin alpha; endopeptidase-2; meprin A alpha-subunit; Mep1; Mep-1; Mep-1a; AI098089; AW107200;
Gene ID	17287
mRNA Refseq	NM_008585
Protein Refseq	NP_032611

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