

Product information

Mep1b, 21-654aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3323

Full name: Meprin A subunit beta

NCBI Accession No.: NP_032612

Synonyms: Mep1b, Mep-1b

Description: MEP1B, also known as meprin A subunit beta, is a member of the astacin family of zinc endopeptidases 1, 2. It is disulfide-linked, tetrameric metalloendopeptidases in renal brush border membranes. It is highly regulated, secreted, and cell-surface metalloendopeptidases that are abundantly expressed in the kidney and intestine. Recombinant mouse MEP1B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 72.6kDa (642aa)

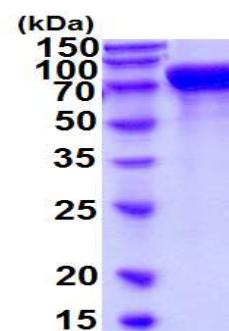
70-100kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Leu21

Purity: > 90% by SDS – PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

LPAPKFKVVD IDGGIDQDIF DINQGLGLDL FEGDIKLEAN GKNSIIGDHK RWPHTIPYVL EDSLEMNAKG VILNAFERYR LKTCIDFKPW
 SGEANYISVF KGSGCWSSVG NIHAGKQELS IGTNCDRIAT VQHEFLHALG FWHEQSRADR DDYVIVWDR IQPGKEHNFN IYNDVSVDL
 NVPYDYTSVM HYSKTAFQNG TESTIVTRIS EFEDVIGQRM DFSYDILLKL NQLYNCTSSL SFMDSDFEL ENICGMIQSS GDSADWQRVS
 QVLSGPESDH SKMGQCKDSG FFMHFNTSIL NEGATAMLES RLLYPKRGFQ CLEFYLYNSG SGNDQLNIYT REYTTGQQGG VLTLLRQRIKE
 VPIGSWQLHY VTLQVTKKFR VVFEGLRPG TSSGGLSIDD INLSETRCPH HIWHIQNFTQ ILGGQDTSVY SPPFYSSKGY AFQIYMDLRS
 STNVIYFHL ISGANDDQLQ WPCPWQATM TLLDQNPDIR QRMFNQRSIT TDPTMTSDNG SYFWDRPSKV GVTDFVFPNGT QFSRGIYGT
 TVFITRERLK SREFIKGDDI YILLTVEDIS HLNSTSAVVD PVPTLAVHNA CSEVVCQNGG ICVVQDGRAE CKCPAGEDWW YMGKRCEKRG
 STRDVEHHHH HH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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General references:

Bertenshaw GP., *et al.* (2001) *J Biol Chem.* 276:13248-13255.

Kounnas MZ., *et al.* (1991) *J Biol Chem.* 266:17350-17357.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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