Recombinant mouse Meprin beta Subunit/MEP1B protein

Catalog Number: ATGP3323

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
21-654aa

UniProt No.
Q61847

NCBI Accession No.
NP_032612

Alternative Names
Meprin A subunit beta, Mep1b, Mep-1b

PRODUCT SPECIFICATION

Molecular Weight
72.6 kDa (642aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

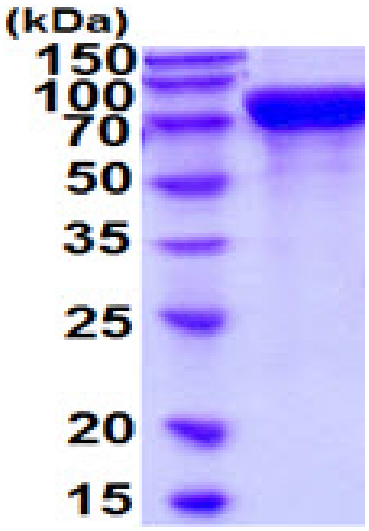
LPAPEKFVKD IDGGIDQDIF DINQGLGLDL FEGDIKLEAN GKNSIIGDHK RWPHTIPYVL EDSLEMNAKG VILNAFERYR LKTCIDFKPW SGEANYISVF KGSGCWSSVG NIHAGKQELS IGTNCDRIAT VQHEFLHALG FWHEQSRADR DDYVIIVWDR IQPGKEHNFN IYNDSVSDSL NVPYDYTSVM HYSKTAFQNG TESTIVTRIS EFEDVIGQRM DFSDYDLLKL NQLYNCTSSL SFMDSCDFEL ENICGMIQSS GDSADWQRVS QVLSGPESDH SKMGQCKDSG FFMHFNTSIL NEGATAMLES RLLYPKRGFQ CLEFYLYNSG SGNDQLNIYT REYTTGQQGG VLTLQRQIKE VPIGSWQLHY VTLQVTKKFR VVFEGLRGPG TSSGGLSIDD INLSETRCPH HIWHIQNFTQ ILGGQDTSVY SPPFYSSKGY AFQIYMDLRS STNVGIYFHL ISGANDDQLQ WPCPWQQATM TLLDQNPDIR QRMFNQRSIT TDPTMTSDNG SYFWDRPSKV GVTDVFPNGT QFSRGIGYGT TVFITRERLK SREFIKGDDI YILLTVEDIS HLNSTSAVPD PVPTLAVHNA CSEVVCQNGG ICVVQDGRAE CKCPAGEDWW YMGKRCEKRG STRDVEHHHH HH

General References

Bertenshaw GP., et al. (2001) J Biol Chem. 276:13248-13255.
Kounnas MZ., et al. (1991) J Biol Chem. 266:17350-17357.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)