

Recombinant human Methionine Aminopeptidase 1/METAP1 protein

Catalog Number: ATGP1509

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-386aa

UniProt No.

P53582

NCBI Accession No.

NP_055958

Alternative Names

methionyl aminopeptidase 1, MAP1A, MetAP1A

PRODUCT SPECIFICATION

Molecular Weight

45.7 kDa (409aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 3mM DTT, 40% glycerol, 200mM NaCl, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

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

METAP1 (Methionine aminopeptidase 1) belongs to the peptidase M24A family. This protein removes the amino-terminal methionine from nascent proteins. It required for normal progression through the cell cycle. The active site of MetAP-1 contains two adjacent divalent metal ions connected by a water molecule or hydroxide ion. Recombinant human METAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

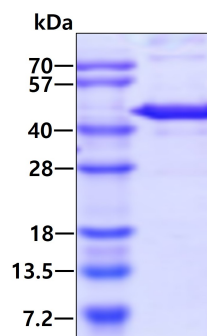
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IKLLSSEDIE GMRLVCRLAR EVLDVAAGMI KPGVTTEEID HAVHLACIAR NCYPSPLNYY NFPKSCCTSV NEVICHGIPD
RRPLQEGDIV NVDITLYRNG YHGDLNETFF VGEVDDGARK LVQTTYECLM QAIDAVKPGV RYRELGNIIQ KHAQANGFSV
VRSYCGHGIH KLFHTAPNVP HYAKNKAVGV MKSGHVFTIE PMICEGGWQD ETWPDGWTAV TRDGKRSAQF EHTLLVTDTG
CEILTRRLDS ARPHFMSQF

General References

Dummitt B, et al. (2002) Protein Pept Lett 9 (4): 295-303.
Hu X., et al. (2006) Proc. Natl. Acad. Sci. u.S.A. 103:18148-18153.

DATA

SDS-PAGE



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