

Recombinant Human Methionyl Aminopeptidase 1, His-tagged

Cat. No. METAP1-1960H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanMETAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	METAP1(Methionine aminopeptidase 1) belongs to the peptidase M24A family. Thisprotein removes the amino-terminal methionine from nascent proteins. Itrequired for normal progression through the cell cycle. The active site ofMetAP-1 contains two adjacent divalent metal ions connected by a watermolecule or hydroxide ion.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 3mM DTT, 40% glycerol, 200mM NaCl, 0.1mMPMSF.
Molecular Weight	45.7kDa(409aa), confirmed by MALDI-TOF.
Purity	> 90%by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHSSGLVPRGSH MGSMAAVETR VCETDGCSSSE AKLQCPTCIK LGIQGSYFCS QECFKGSWATHKLLHKKAKD EKAKREVSSW TVEGDINTDP WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSESEQALKGTSQ IKLLSSEDIE GMRLVCRLAR EVLDVAAGMI KPGVTTEEID HAVHLACIAR

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NCYPSPLNYYNFPKSCCTSV NEVICHGIPD RRPLQEGDIV NVDITLYRNG
YHGDINETFF VGEVDDGARK LVQTTYECLMQAIDAVKPGV RYRELGNIIQ
KHAQANGFSV VRSYCGHGIH KLFHTAPNVP HYAKNKAVGV
MKSGHVFTIEPMICEGGWQD ETWPDGWTAV TRDGKRSAQF EHTLLVTDTG
CEILTRRLDS ARPHFMSQF

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [METAP1 methionyl aminopeptidase1 \[Homo sapiens \]](#)

Official Symbol [METAP1](#)

Synonyms METAP1; methionyl aminopeptidase 1; MAP1A;MetAP1A; methionine aminopeptidase 1; MAP 1; metAP 1; peptidase M 1; EC3.4.11.18; KIAA0094; DKFZp781C0419; OTTHUMP00000219920

Gene ID [23173](#)

mRNA Refseq [NM_015143](#)

Protein Refseq [NP_055958](#)

MIM [610151](#)

UniProt ID [P53582](#)

Chromosome Location 4q23

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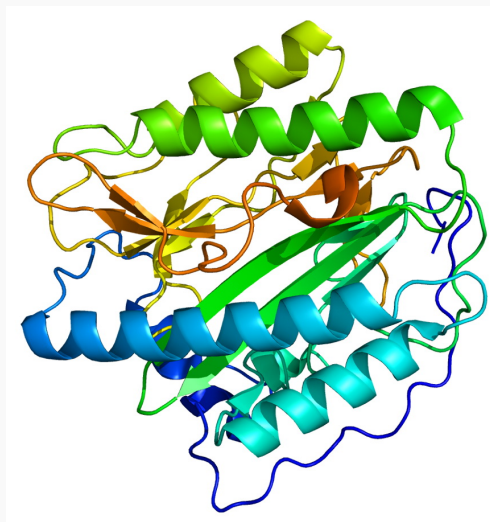
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Function

aminopeptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity

PDB rendering based on 2b3h.



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