

# Recombinant Human Methionyl Aminopeptidase 1, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant human METAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	METAP1 (Methionine aminopeptidase 1) belongs to the peptidase M24A family. This protein removes the amino-terminal methionine from nascent proteins. It is 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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 3mM DTT, 40% glycerol, 200mM NaCl, 0.1mM PMSF.
<b>Molecular Weight</b>	45.7kDa(409aa), confirmed by MALDI-TOF.
<b>Purity</b>	> 90% by SDS-PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHSSGLVPRGSH MGSMAAVETR VCETDGCSSSE AKLQCPTCIK LGIQGSYFCS QECFKGSWATHKLLHKKAKD EKAKREVSSW TVEGDINTDP WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSESEQALKGTSQ IKLLSSEDIE GMRLVCRLAR EVLDVAAGMI KPGVTTEEID HAVHLACIAR

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NCYPSPLNYNFPKSCCTSV NEVICHGIPD RRPLQEGDIV NVDITLYRNG  
 YHGDLNETFF VGEVDDGARK LVQTTYECLMQAIDAVKPGV RYRELGNIQ  
 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

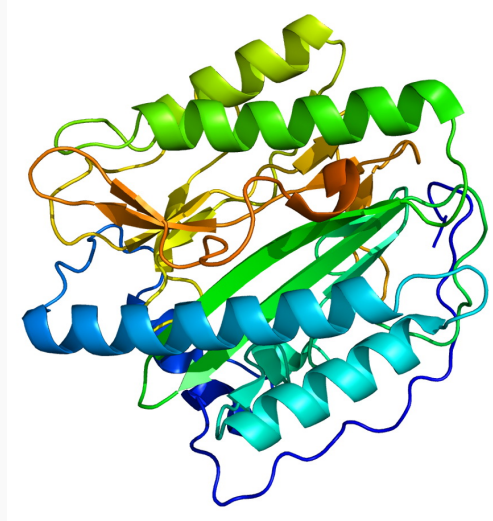
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**Function** aminopeptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity

**PDB rendering based on 2b3h.**



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