

Recombinant Human METAP1, His-tagged

Cat. No. METAP1-15849H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human METAP1 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-386aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 3mM DTT, 40% glycerol, 200mM NaCl, 0.1mM PMSF
Molecular Mass	45.7kDa (409aa), confirmed by MALDI-TOF
AA Sequence	<p>MGSSHHHHH SSGLVPRGSH MGSMAAVETR VCETDGCSSSE AKLQCPTCIK LGIQGSYFCS QECFKGSWAT HKLLHKKAKD EKAKREVSSW TVEGDINTDP WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSE SEQALKGTSQ IKLLSSEDIE GMRLVCRLAR EVLDVAAGMIKPGVTTEEID HAVHLACIAR NCYPSPLNYY NFPKSCCTSV NEVICHGIPD RRPLQEGDIV NVDITLYRNG YHGDLNETFF VGEVDDGARK LVQTTYECLM QAIDAVKPGV RYRELGNIIQ</p>

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KHAQANGFSV VRSYCGHGIH KLFHTAPNVP HYAKNKAVGV MKSGHVFTIE
PMICEGGWQDETWPDGWTAV TRDGKRSAQF EHTLLVTDTG CEILTRRLDS
ARPHFMSQF

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name METAP1 methionyl aminopeptidase 1 [Homo sapiens]

Official Symbol METAP1

Synonyms METAP1; methionyl aminopeptidase 1; methionine aminopeptidase 1; KIAA0094; MAP1A; MetAP1A; Peptidase M; MAP 1; metAP 1; peptidase M 1; DKFZp781C0419;

Gene ID 23173

mRNA Refseq NM_015143

Protein Refseq NP_055958

MIM 610151

UniProt ID P53582

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Chromosome Location	4q23
Function	aminopeptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity;

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