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	MGSSHHHHHH SSGLVPRGSH MGSMAAVETR VCETDGCSSE 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

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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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