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	MGSSHHHHHHSSGLVPRGSH MGSMAAVETR VCETDGCSSE AKLQCPTCIK LGIQGSYFCS QECFKGSWATHKLLHKKAKD EKAKREVSSW TVEGDINTDP WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSESEQALKGTSQ IKLLSSEDIE GMRLVCRLAR EVLDVAAGMI KPGVTTEEID HAVHLACIAR

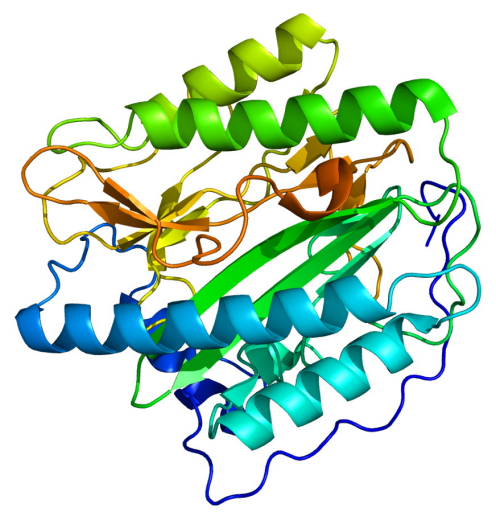
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	NCYPSPLNYYNFPKSCCTSV NEVICHGIPD RRPLQEGDIV NVDITLYRNG YHGDLNETFF 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	aminopeptidase activity; metal ion binding;metalloexopeptidase activity; peptidase activity
PDB rendering based on 2b3h.	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA