
Product Data Sheet

Product Name: METAP1 Human
 Cat. No.: GP21915
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Methionine aminopeptidase 1; MAP 1; MetAP 1; Peptidase M 1; METAP1; KIAA0094; MAP1A; MetAP1A.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMAAVETR VCETDGCSE AKLQCPTCIK LGIQGSYFCS QECFKGSWAT HKLLHKKAKD EKAKREVSSW TVEGDINTDP WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSE SEQALKGTSQ IKLLSSEDIE GMRLVCRLAR EVLDVAAGMIKPGVTTEEID HAVHLACIAR NCYPSPLNYY NFKSCCTSV NEVICHGIPD RRPLQEGDIV NVDITLYRNG YHGDLNETFF VGEVDDGARK LVQTTYECLM QAIDAVKPGV RYRELGNIIQ KHAQANGFSV VRSYCGHGIH KLFHTAPNVP HYAKNKAVGV MKSGHVFTIE PMICEGGWQDETWPDGWTAV TRDGKRSAQF EHTLLVTDG CEILTRRLDS ARPHFMSQF.</p>		
Formulation	The METAP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 3mM DTT, 40% glycerol, 200mM NaCl and 0.1mM PMSF.		

Introduction

Methionine aminopeptidase 1 (METAP1) is a member of the peptidase M24A family. METAP1 removes the amino-terminal methionine from nascent proteins. METAP1 releases N-terminal amino acids, preferentially methionine, from peptides and arylamides. METAP1 is essential for normal progression through the cell cycle. The active site of METAP1 contains 2 adjacent divalent metal ions linked by a water molecule or hydroxide ion.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

METAP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (1-386) and having a molecular mass of 45.7kDa. METAP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA