

METAP1 Human

Description: 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.

Catalog #: ENPS-611

For research use only.

Synonyms: Methionine aminopeptidase 1, MAP 1, MetAP 1, Peptidase M 1, METAP1, KIAA0094, MAP1A, MetAP1A.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMAAVETR VCETDGCSSSE
AKLQCPTCIK LGIQGSYFCS QECFKGSWAT HKLLHKKAKD EKAKREVSSW TVEGDINTDP
WAGYRYTGKL RPHYPLMPTR PVPSYIQRPD YADHPLGMSE SEQALKGTSQ IKLLSSEDIE
GMRLVCRLAR EVLDVAAGMIKPGVTTEEID HAVHLACIAR NCYPSPLNYY NFPKSCCTSV
NEVICHGIPD RRP

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The METAP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 3mM DTT, 40% glycerol, 200mM NaCl and 0.1mM PMSF.

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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