

METAP1/Methionine aminopeptidase 1 Protein, Human

Cat. No.:	HY-P70380
Synonyms:	rHuMethionine aminopeptidase 1/METAP1; Methionine aminopeptidase 1; MAP 1; MetAP 1; Peptidase M 1; METAP1
Species:	Human
Source:	E. coli
Accession:	P53582 (M1-F386)
Gene ID:	23173
Molecular Weight:	38-50 kDa

PROPERTIES

AA Sequence	<pre> MAAVETRVCE TDGCSSEAKL QCPTCIKLG I QGSYFCSQEC FKGSWATHKL LHKKAKDEKA KREVSSWTVE GDINTDPWAG YRYTGKLRPH YPLMPTRPVP SYIQRPDYAD HPLGMSESEQ ALKGT SQIKL LSSEDI EGMR LVCRLAREVL DVAAGMIKPG VTTEEIDHAV HLACIARNCY PSPLNYNFP KSCCTSVNEV ICHGIPDRRP LQEGDIVNVD ITLYRNGYHG DLNETFFVGE VDDGARKLVQ TTYECLMQAI DAVKPGVRYR ELGNI IQKHA QANGFSV VRS YCGHGIHKL F HTAPNVPHYA KNKAVGVMKS GHVFTIEPMI CEGGWQDETW PDGWTAVTRD GKRSAQFEHT LLVTD TGCEI LTRRLDSARP HFMSQF </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Glycine, 10% Sucrose, 10% Glycerol, 0.02% Tween80, pH 3.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	METAP1, or Methionine Aminopeptidase 1, is a protein crucial for protein synthesis regulation. It cotranslationally eliminates
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the N-terminal methionine from nascent proteins, especially when the second residue in the primary sequence is a small and uncharged amino acid, such as Met-Ala, Cys, Gly, Pro, Ser, Thr, or Val. This activity is vital for proper maturation and function of proteins. Additionally, METAP1 plays a pivotal role in cellular processes by being required for normal progression through the cell cycle. Its involvement in the cell cycle underscores its significance in fundamental biological events, further emphasizing its role in maintaining cellular homeostasis and proper functioning.

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

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