

Methionine aminopeptidase 2 Recombinant Protein | MAP2 recombinant protein

Recombinant Human Methionine aminopeptidase 2

CATALOG # AAA309780	HOST Yeast
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PRODUCT SYNONYMS

Methionine aminopeptidase 2; Recombinant Human Methionine aminopeptidase 2; Initiation factor 2-associated 67 kDa glycoprotein; MAP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Formulation Tris-based buffer 50% glycerol
Sequence	AGVEEVAASG SHLNGDLDPD DREEGAASTA EEAAKKKRRK KKKSKGPSAA GEQEPDKESG ASVDEVARQL ERSALEDKER DEDDEDGDGD GDGATGKKKK KKKKKRGPKV QTDPPSPIC DLYPNGVFPK GQECEYPPTQ DGRTAAWRTT SEEKKALDQA SEEIWNDFRE AAEAHRQVRK YVMSWIKPGM TMIEICEKLE DCSRKLIKEN GLNAGLAFPT GCSLNNCAAH YTPNAGDTTV LQYDDICKID FGTHISGR II DCAFTVTFNP KYDTLLKAVK DATNTGIKCA GIDVRLCDVG EAIQEVMESEY EVEIDGKTYQ VKPIRNLNGH SIGQYRIHAG KTVPIVKGGE ATRMEEGEVY AIETFGSTGK GVVHDDMECS HYMKNFVDVGH VPIRLPRTKH LLNVINENFG TLAFCRRWLD RLGESKYLMA LKNLCDLGIV DPYPPLCDIK GSYTAQFEHT ILLRPTCKEV VSRGDDY
Immunogen Description	Expression Region: 2-478aa Sequence Info: Full Length
Tag Info	N-terminal 6xHis-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for MAP2 recombinant protein	Cotranslationally roves the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo.Protects eukaryotic initiation factor EIF2S1 from translation-inhibiting phosphorylation by inhibitory kinases such as EIF2AK2/PKR and EIF2AK1/HCR. Plays a critical role in the regulation of protein synthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	953768343
NCBI GeneID	10988
NCBI Accession #	NP_001304111.1
NCBI GenBank Nucleotide #	NM_001317182.1
UniProt Accession #	P50579; Q8NB11; B2RDI8; B4DUX5; G3XA91

Molecular Weight	54.8kDa
NCBI Official Full Name	methionine aminopeptidase 2 isoform 2
NCBI Official Synonym Full Names	methionyl aminopeptidase 2
NCBI Official Symbol	METAP2
NCBI Official Synonym Symbols	MAP2; MNPEP; p67eIF2
NCBI Protein Information	methionine aminopeptidase 2
UniProt Protein Name	Methionine aminopeptidase 2
UniProt Gene Name	METAP2
UniProt Synonym Gene Names	MAP 2; MetAP 2; p67; p67eIF2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/metap2-recombinant-protein-yeast/309780>