



# Recombinant Human Methionine aminopeptidase 2 (METAP2)

<b>Product Code</b>	CSB-YP013716HU
<b>Relevance</b>	Cotranslationally removes 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.
<b>Abbreviation</b>	Recombinant Human METAP2 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P50579
<b>Alias</b>	Initiation factor 2-associated 67 kDa glycoprotein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	AGVEEVAASGSHLNGDLDPDDREEGAASTAEAAKKRRKKKKSKGPSAAGE QEPDKESGASVDEVARQLERSALEDKERDEDEDGDDGDDGATGKKKKKKK KKRGPKVQTDPPSVPICDLYPNGVFPKGQECEYPPTQDGRATAAWRTTSEEKK ALDQASEEIWNDFREAAEAHRQVRKYVMSWIKPGMTMIEICEKLEDCSRKLIK ENGLNAGLAFPTGCSLNNCAAHYTPNAGDTTVLQYDDICKIDFGTHISGRIIDC AFTVTFNPKYDTLLKAVKDATNTGIKCAGIDVRLCDVGEAIQEVMSYEVEIDG KTYQVKPIRNLNGHSIGQYRIHAGKTVPIVKGGEATRMEEGEVYAIETFGSTGK GVVHDDMECSHYMKNFDVGHVPIRLPRTKHLNINENFGTLAFCRRWLDRL GESKYLKMLKLNLCDLGIVDPYPLCDIKGSYTAQFEHTILLRPTCKEVVSRGDD Y
<b>Research Area</b>	Metabolism
<b>Source</b>	Yeast
<b>Target Names</b>	METAP2
<b>Protein Names</b>	Recommended name: Methionine aminopeptidase 2 Short name= MAP 2 Short name= MetAP 2 EC= 3.4.11.18 Alternative name(s): Initiation factor 2-associated 67 kDa glycoprotein Peptidase M 2 p67eIF2 Short name= p67
<b>Expression Region</b>	2-478aa



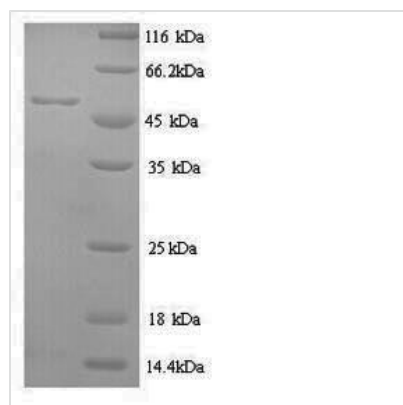
**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 54.8kDa

**Protein Length** Full Length of Mature Protein

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** 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.