



Recombinant Human Methionine aminopeptidase 2 (METAP2)

Product Code	CSB-EP013716HU
Relevance	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.
Abbreviation	Recombinant Human METAP2 protein
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.
Uniprot No.	P50579
Alias	Initiation factor 2-associated 67
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	AGVEEVAASGSHLNGDLDPDDREEGAASTAEAAKKKRRKKKKSKGPSAAGE QEPDKESGASVDEVARQLERSALEDKERDEDEDGDGDGDGATGKKKKKKK KKRGPKVQTDPPSVPICDLYPNGVFPKGQECEYPPTQDGR TAAWR TTSEEKK ALDQASEEIWNDFREAAEAHRQVRKYVMSWIKPGMTMIEICEKLEDCSRKLIK ENGLNAGLAFPTGCSLNNCAAHYTPNAGDTTVLQYDDICKIDFGTHISGRIIDC AFTVTFNPKYDTLLKAVKDATNTGIKCAGIDVRLCDVGEAIQEVMSYEVEIDG KTYQVKPIRNLNGHSIGQYRIHAGKTVPIVKGGEATRMEEGEVYAIETFGSTGK GVVHDDMECSHYMKNFDVGHVPIRLPRTKHLN VINENFGTLAFCRRWLDRL GESKYL MALKNLCDLGI VDPY PPLCDIKGSYTAQFEHTILLRPTCKEVVSRGDD Y
Research Area	Metabolism
Source	E.coli
Target Names	METAP2
Expression Region	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 10xHis-tagged and C-terminal Myc-tagged

