

Recombinant Full Length Human METAP2 Protein, GST-tagged

Cat. No. METAP2-6152HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human METAP2 full-length ORF (NP_006829.1, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	478 amino acids
Description	This gene is a member of the methionyl aminopeptidase family and encodes a protein that binds 2 cobalt or manganese ions. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. Increased expression of this gene is associated with various forms of cancer and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. A pseudogene of this gene is located on chromosome 2. [provided by RefSeq]
Molecular Mass	79.3 kDa
AA Sequence	MAGVEEVAASGSHLNGDLPDDREEGAASTAEAAKKKRRKKKKSKGPSAAGEQE PDKESGASVDEVARQLERSALEDKERDEDEDGDGDGDGATGKKKKKKKKRGP KVQTDPPSPICDLYPNGVFPKGQECEYPPTQDGRRTAAWRTTSEEKALDQASEEI WNDFREAAEAHRQVRKYVMSWIKPGMTMIEICEKLEDCSRKLIKENGLNAGLAFPT GCSLNNCAAHYTPNAGDTTVLQYDDICKIDFGTHISGRIIDCAFTVTFNPKYDTLLKAV KDATNTGIKCAGIDVRLCDVGEAIQEVMSYEVEIDGKTYQVKPIRNLNGHSIGQYRI

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HAGKTVPIVKGGEATRMEEGEVYAIETFGSTGKGVVHDDMECSHYMKNFDVGHVPI
RLPRTKHLLNVINENFGTLAFCRRWLDRLGESKYLMAKKNLCDLGIVDPYPPLCDIKG
SYTAQFEHTILLRPTCKEVVSRGDDY

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[METAP2 methionyl aminopeptidase 2 \[Homo sapiens \]](#)

Official Symbol

[METAP2](#)

Synonyms

METAP2; methionyl aminopeptidase 2; methionine aminopeptidase 2; MAP2;
MNPEP; p67; Peptidase M; MAP 2; metAP 2; peptidase M 2; eIF-2-associated p67
homolog; initiation factor 2-associated 67 kDa glycoprotein; p67eIF2;

Gene ID

[10988](#)

mRNA Refseq

[NM_006838](#)

Protein Refseq

[NP_006829](#)

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MIM	601870
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UniProt ID	P50579
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