

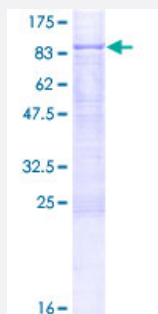
Full-Length

METAP2 (Human) Recombinant Protein (P01)

Catalog # H00010988-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human METAP2 full-length ORF (NP_006829.1, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGVEEVAASGSHLNGDLDPDDREEGAASTAEAAKKRRKKKKSKGPSAAGEQEPDKESGA
SVDEVARQLERSALEDKERDEDEDGDGDGDGATGKKKKKKKKRGPKVQTDPPSPICDLY
PNGVFPKGQECEYPPTQDGRTAAWRTTSEEKKALDQASEEWNDFREAAEAHRQVRKYVMSWI
KPGMTMIEICEKLEDCSRKLIKENGLNAGLAFPTGCSLNNCAAHYTPNAGDTTVLQYDDICKIDFGT
HISGRIIDCAFTVTFNPKYDTLLKAVKDATNTGIKCAGIDVRLCDVGEAIQEVMESEYEVEIDGKTYQV
KPIRNLNGHSIGQYRIHAGKTVPIVKGGEATRMEEGEVYAIETFGSTGKGVVHDDMECSHYMKNFD
VGHVPIRLPRTKHLLNVINENFGTLAFCCRWLDRLGESKYLMAKNLCLGMDPYPLCDIKGSYT
AQFEHTILLRPTCKEVVSRGDDY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.3

Interspecies Antigen Sequence

Mouse (94); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — METAP2

Entrez GeneID [10988](#)

GeneBank Accession# [NM_006838.3](#)

Protein Accession# [NP_006829.1](#)

Gene Name METAP2

Gene Alias MAP2, MNPEP, p67, p67eIF2

Gene Description methionyl aminopeptidase 2

Omim ID [601870](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations eIF-2-associated p67 homolog|initiation factor 2-associated 67 kDa glycoprotein|peptidase M 2

Disease

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)