

Recombinant Human METAP2 Protein, His&SUMO-tagged

Cat. No. METAP2-1109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human METAP2 Protein (Ala2-Tyr478) with His&SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Tyr478
Description	The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded 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 proteins. 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. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 2. Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 66.5 kDa; Accurate Molecular Mass: 90/33 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	METAP2 methionyl aminopeptidase 2 [Homo sapiens (human)]
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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