

## Recombinant Human METAP1D Protein, N-Met,C-His-tagged

Cat. No. METAP1D-14H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Protein of Human METAP1D, with N-terminal Met and C-terminal His tag, expressed in Sf21.
<b>Species</b>	Human
<b>Source</b>	Insect cells
<b>ProteinLength</b>	Arg44-Ala335
<b>Description</b>	The N-terminal methionine excision pathway is an essential process in which the N-terminal methionine is removed from many proteins, thus facilitating subsequent protein modification. In mitochondria, enzymes that catalyze this reaction are called methionine aminopeptidases (MetAps, or MAPs; EC 3.4.11.18).
<b>Form</b>	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
<b>Bio-activity</b>	Measure by its ability to remove methionine from a fluorogenic peptide substrate H-Met-Gly-Pro-AMC. The resulting GP-AMC is cleaved by Recombinant Human DPPIV/CD26. The specific activity is >30 pmol/min/µg, as measured under the described conditions.
<b>Molecular Mass</b>	Predicted Molecular Mass: 34 kDa SDS-PAGE: 38 kDa, reducing conditions
<b>Endotoxin</b>	<1.0 EU per 1 µg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

<b>Gene Name</b>	METAP1D methionyl aminopeptidase type 1D, mitochondrial [ Homo sapiens (human) ]
<b>Official Symbol</b>	METAP1D
<b>Synonyms</b>	EC 3.4.11.18; MAP1D; MAP1DCDS of metAP-3 within PCR fragment; MetAP1D; Metap1I; Methionine Aminopeptidase 1D; methionine aminopeptidase 1D, mitochondrial; methionyl aminopeptidase type 1D (mitochondrial); Methionyl aminopeptidase type 1D, mitochondrial; MAP 1D; Metap1I; MetAP 1D
<b>Gene ID</b>	254042
<b>mRNA Refseq</b>	NM_199227.3
<b>Protein Refseq</b>	NP_954697.1
<b>MIM</b>	610267
<b>UniProt ID</b>	Q6UB28

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