

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

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

SPECIFICATION

Product Overview	Recombinant Protein of Human METAP1D, with N-terminal Met and C-terminal His tag, expressed in Sf21.
Species	Human
Source	Insect cells
ProteinLength	Arg44-Ala335
Description	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).
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 34 kDa SDS-PAGE: 38 kDa, reducing conditions
Endotoxin	<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  Fax: 1-631-938-8127

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

Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	METAP1D methionyl aminopeptidase type 1D, mitochondrial [Homo sapiens (human)]
Official Symbol	METAP1D
Synonyms	EC 3.4.11.18; MAP1D; MAP1DCDS of metAP-3 within PCR fragment; MetAP1D; Metap1l; Methionine Aminopeptidase 1D; methionine aminopeptidase 1D, mitochondrial; methionyl aminopeptidase type 1D (mitochondrial); Methionyl aminopeptidase type 1D, mitochondrial; MAP 1D; Metap1l; MetAP 1D
Gene ID	254042
mRNA Refseq	NM_199227.3
Protein Refseq	NP_954697.1
MIM	610267
UniProt ID	Q6UB28

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