

Recombinant Human METAP1D, His-tagged

METAP1D-139H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant Human Methionine Aminopeptidase 1D Mitochondrial/METAP1D is produced with our E. coli expression system. The target protein is expressed with sequence (Arg44-Ala335) of Human METAP1D fused with a 6His tag at both the N-terminus and C-terminus.
Description	Methionine Aminopeptidase 1D (METAP1D) is a mitochondrion protein that belongs to the peptidase M24A family. METAP1D is overexpressed at the protein level in colon cancer cell lines and colon tumors as compared to normal tissues. N-terminal methionine removal is an important cellular process required for proper biological activity, subcellular localization, and eventual degradation of many proteins. METAP1D is also active with zinc, manganese or divalent ions. It may also play an important role in colon tumorigenesis.
Source	E. coli
Species	Human
Tag	His
Form	Supplied as a 0.2 µM filtered solution of 50mM Tris, 100mM NaCl, pH 8.0
AA Sequence	MGSSHHHHHHSSGLVPRGSHMRQRDISHSIVLPAAVSSAHPVPKHIKPDYVTTGIVPDWGDSE VKNEQIQGLHQACQLARHVLLLAGKSLKVDMTTEEIDALVHREIISHNAYPSPLGYGGFPKSV TSVNNVLCHGIPDSRPLQDGIINIDVTVYYNGYHGDTSETFLVGNVDECGKKLVEVARRCRDEA IAACRAGAPFSVIGNTISHITHQNGFQVCPHFVGHGIGSYFHGHPEIWHHANDSDLPMEEGMAFT IEPIITEGSPEFKVLEDAWTVVSLDNQRSQAQFEHTVLITSRGAQILTKLPHEALEHHHHHHH
Endotoxin	Less than 0.1 ng/µg (1 IEU/µg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

Gene Information

Gene Name	METAP1D methionyl aminopeptidase type 1D (mitochondrial) [Homo sapiens]
Official Symbol	METAP1D
Synonyms	METAP1D; methionyl aminopeptidase type 1D (mitochondrial); methionine aminopeptidase 1D, mitochondrial; MAP1D; Metap1l; methionine aminopeptidase 1D; CDS of metAP-3 within PCR fragment; methionyl aminopeptidase type 1D, mitochondrial;
Gene ID	254042
mRNA Refseq	NM_199227

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Protein Refseq	NP_954697
MIM	610267
UniProt ID	Q6UB28
Chromosome Location	2q31.1
Function	aminopeptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity;

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