

Recombinant human METAP1D, His-tagged

Cat. No. METAP1D-2467H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human METAP1D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Methionine aminopeptidase 1D, mitochondrial precursor, also known as METAP1D, is a 335 amino acid mitochondrial protein that belongs to the peptidase M24A family. It is overexpressed in colon cancer cell lines, suggesting a role in tumorigenesis. METAP1D has also been found to remove methionine from the N-terminus of nascent proteins. METAP1D binds two cobalt ions per subunit and is encoded by a gene that maps to human chromosome 2q31.1.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	37.4 kDa (339aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSSPLNHI YLHKQSSSQQ RRNFFFRRQR DISHSIVLPA AVSSAHPVPK HIKKPDYVTT GIVPDWGDSIEVKNEDQIQG LHQACQLARH VLLLAGKSLK VDMTTEEIDA LVHREIISHN AYPSPLGYGG FPKSVCTSVN NVLCHGIPDS RPLQDGDIIIN IDVTVYYNGY HGDTSETFLV GNVDECGKKL VEVARRCRDE AIAACRAGAP FSVIGNTISH ITHQNGFQVC PHFVGHGIGS YFHGHPEIWHHANDSDLPME EGMAFTIEPI ITEGSPEFKV

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LEDAWTVVSL DNQRSAQFEH TVLITSRGAQ ILTKLPHEA

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford assay)

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; Metap1I; methionine aminopeptidase 1D; CDS of metAP-3 within PCR fragment; methionyl aminopeptidase type 1D, mitochondrial;

Gene ID [254042](#)

mRNA Refseq [NM_199227](#)

Protein Refseq [NP_954697](#)

MIM [610267](#)

UniProt ID [Q6UB28](#)

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Chromosome Location	2q31.1
Function	aminopeptidase activity; metal ion binding; metalloexopeptidase activity; peptidase activity;

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