Recombinant human Methionine Aminopeptidase 1D protein

Catalog Number: ATGP2467

PRODUCT INFORMATION

Expression system
E.coli

Domain
20-335aa

UniProt No.
Q6UB28

NCBI Accession No.
NP_954697

Alternative Names
Methionine aminopeptidase 1D mitochondrial precursor, Methionine aminopeptidase 1D, mitochondrial precursor, MAP1D, Metap1l

PRODUCT SPECIFICATION

Molecular Weight
37.4 kDa (339aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human METAP1D protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

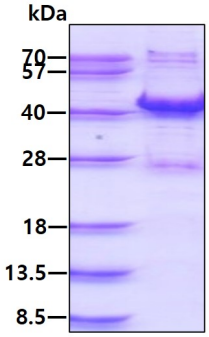
<MGSSHHHHHH SSGLVPRGSH MGS>SSPLNHI YLHKQSSSQQ RRNFFFRRQR DISHSIVLPA AVSSAHPVPK HIKKPDYVTT GIVPDWGDSI EVKNEDQIQG LHQACQLARH VLLLAGKSLK VDMTTEEIDA LVHREIISHN AYPSPLGYGG FPKSVCTSVN NVLCHGIPDS RPLQDGDIIN IDVTVYYNGY HGDTSETFLV GNVDECGKKL VEVARRCRDE AIAACRAGAP FSVIGNTISH ITHQNGFQVC PHFVGHGIGS YFHGHPEIWH HANDSDLPME EGMAFTIEPI ITEGSPEFKV LEDAWTVVSL DNQRSAQFEH TVLITSRGAQ ILTKLPHEA

General References

Leszczyniecka M., et al. (2006) Oncogene. 25: 3471-3478.
Serero A., et al. (2003) J Biol Chem. 278: 52953-52963.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.