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## Recombinant human Methionine Aminopeptidase 1D protein

Catalog Number: ATGP2467

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

20-335aa

#### **UniProt No.**

O6UB28

#### **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 2g31. 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**

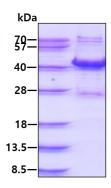
<MGSSHHHHHH SSGLVPRGSH MGS>SSPLNHI YLHKQSSSQQ RRNFFFRRQR DISHSIVLPA AVSSAHPVPK HIKKPDYVTT GIVPDWGDSI EVKNEDQIQG LHQACQLARH VLLLAGKSLK VDMTTEEIDA LVHREIISHN AYPSPLGYGG FPKSVCTSVN NVLCHGIPDS RPLQDGDIIN IDVTVYYNGY HGDTSETFLV GNVDECGKKL VEVARRCRDE AIAACRAGAP FSVIGNTISH ITHQNGFQVC PHFVGHGIGS YFHGHPEIWH HANDSDLPME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

