

METAP1D, 20-335aa, Human, His tag, E.coli

Cat.NO.: TP02954

3th Edition

Synonyms: Methionine aminopeptidase 1D, mitochondrial precursor, MAP1D, Metap1I

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 E.coli and purified by using conventional chromatography techniques.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSSPLNHIYLHKQSSSQRRNFFFRRQRDISHSIVLPAAVSSAHPVPHIKKPD
YVTTGIVPDWGDSEVKNEDQIQGLHQACQLARHVLLLAGKSLKVDMTTEEIDALVHREIISHNAYPSPLGYGGFPKS
VCTSVNNVLCHGIPDSRPLQDGDIIINIDVTVYYNGYHGDTSETFLVGNVDECGKLVAVARRCRDEAIAACRAGAPF
SVIGNTISHITHQNGFQVCPHFVGHGIGSYFHGHPEIWHHANDSDLPMEEGMAFTIEPIITEGSPEFKVLEDAWTVVS
LDNQRSAQFEHTVLITSRGAQILTKLPHEA

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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