

METAP1, 1-386aa, Human, His tag, E.coli

Cat.NO.: TP02953

3th Edition

Synonyms:Methionyl aminopeptidase 1, MAP1A, MetAP1A.

Description:METAP1 (Methionine aminopeptidase 1) belongs to the peptidase M24A family. This protein removes the amino-terminal methionine from nascent proteins. It required for normal progression through the cell cycle. The active site of MetAP-1 contains two adjacent divalent metal ions connected by a water molecule or hydroxide ion. Recombinant human METAP1 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 3mM DTT, 40% glycerol, 200mM NaCl, 0.1mM PMSF

Molecular Weight:45.7kDa (409aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM AAVETRV CETDGCSS EAKLQCPTCIKLG IQGSYFCSQECFKG SWATHKLL
HKKAKDEKAKREVSSWTVEGDINTDPWAGYRYTGKLRPHYPLMPTRPVPSYIQRPDYADHPLGMSESEQALKGTS
QIKLLSSEDI EGMRLV CRLAREVLDVAAGMIKPGVTTEEIDHAVHLACIARNCYPSPLNYYNFPKSCCTSVNEVICHGI
PDRRPLQEGDIVNVDITLYRNGYHGDLNETFFVGEVDDGARKLVQTTYECLMQAIDAVKPGVRYRELGNIIQKHAQA
NGFSVRSYCGHGIHKL FHTAPNVPHYAKNKAVGVMKSGHVFTIEPMICEGGWQDET WPDGWTAVTRDGKRSAQ
FEHTLLVTD TGCEILTRRLDSARPHFMSQF

Purity:> 95% by HPLC

Concentration:1mg/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.