

E. coli Methionine aminopeptidase / MAP (1-264, His-tag) - Purified

Alternate names:	Peptidase M
Catalog No.:	AR09965PU-L
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Methionine aminopeptidases, also designated peptidase M proteins, are members of the M24 family of proteins. This protein removes the amino-terminal methionine residue from nascent polypeptides. The active site of MAP contains two adjacent divalent metal ions connected by a water molecule or hydroxide ion.
Uniprot ID:	POAE18
NCBI:	AP_000828
GeneID:	947882
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% pure by SDS-PAGE Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol, 2mM DTT
Description:	Recombinant E.coli map protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MAISIKTPED IEKMRVAGRL AAEVLEMIEP YVKPGVSTGE LDRICNDYIV NEQHAVSAACL GYHGYPKSVCS ISINEVCHG IPDDAKLLKD GDIVNIDVTV IKDGFHGDT S KMFIVGKPTI MGERLCRITQ ESLYLALRMV KPGINLREIG AAIQKFVEAE GFSVVREYCG HGIGRGFHEE PQVLHYDSRE TNVVLKPGMT FTIEPMVNAG KKEIRTMKDG WTVKTKDRSL SAQYEHTIVV TDNGCEILTL RKDDTIPAIISHDE Molecular weight: 31.5 kDa (284aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bernier SG, Taghizadeh N, Thompson CD, Westlin WF, Hannig G. Methionine aminopeptidases type I and type II are essential to control cell proliferation. J Cell Biochem. 2005 Aug 15;95(6):1191-203. PubMed PMID: 15962312.

Pictures:

