

**AR09965PU-N****E. coli Methionine aminopeptidase / MAP (1-264, His-tag) - Purified**

<b>Alternate names:</b>	Peptidase M
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">POAE18</a>
<b>NCBI:</b>	<a href="#">AP_000828</a>
<b>GeneID:</b>	<a href="#">947882</a>
<b>Species:</b>	E. coli
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% pure by SDS-PAGE <b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol, 2mM DTT
<b>Description:</b>	Recombinant E.coli map protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MAISIKTPED IEKMRVAGRL AAEVLEMIEP YVKPGVSTGE LDRICNDYIV NEQHAVSACL GYHGYPKSVC ISINEVVCHG IPDDAKLLKD GDIVNIDVTV IKDGFHGDTS KMFIVGKPTI MGERLCRITQ ESLYLALRMV KPGINLREIG AAIQKFVEAE GFSVVREYCG HGIGRGFHEE PQVLHYDSRE TNVVLKPGMT FTIEPMVNAG KKEIRTMKDG WTVKTKDRSL SAQYEHTIVV TDNGCEILTL RKDDTIPAI SHDE <b>Molecular weight:</b> 31.5 kDa (284aa), confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	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:

