Product Data Sheet

Product Name:	MAP E.coli
Cat. No.:	GP21900
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Methionine aminopeptidase; MAP; Peptidase M; map; b0168; JW0163.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH 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 RKDDTIPAII SHDE.		
Formulation	MAP protein solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.		

Introduction

Methionine aminopeptidases and designated peptidase M proteins belong to the M24 family of proteins. MAP protein removes the amino-terminal methionine residue from nascent polypeptides. The active site of MAP contains 2 adjacent divalent metal ions connected by a water molecule or hydroxide ion.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

MAP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 284 amino acids (1-264 a.a.) and having a molecular mass of 31.5kDa.MAP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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