

MAP E.coli

Description: 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.

Catalog #: ENPS-130

For research use only.

Synonyms: Methionine aminopeptidase, MAP, Peptidase M, map, b0168, JW0163.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MAISI KTPED IEKMRVAGRL
AAEVLEMIEP YVKG VSTGE LDRICNDYIV NEQHAVSACL GYHGYPKSVC ISINEVVCHG
IPDDAKLLKD GDIVNIDVTV IKDGFHGDTS KMFIVGKPTI MGERLCRITQ ESLYLALRMV
KPGINLREIG AAIQKFVEAE GFSVVREYCG HGIGRGFHEE PQVLHYDSRE TNVVLKPGMT
FTIEPMVNAG KK

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

MAP protein solution (1mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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