

map

Recombinant *E. coli* Methionine Aminopeptidase His

Catalog No.	CS427A	Quantity:	5 µg
	CS427B		20 µg
	CS427C		1 mg

Alternate Names: Methionine aminopeptidase, MAP, Peptidase M, map

Description: 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. MAP produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 284 amino acids (1-264 aa). The protein is fused to a 20 amino acid His-tag at the N-terminus and purified by proprietary chromatographic techniques

Gene ID: 12933200, 947882

Protein Accession No: P0AE18

Source: *E. coli*

Molecular Weight: 31.5 kDa

Formulation: Sterile Filtered clear solution of MAP protein (1mg/ml) in 20 mM Tris-HCl buffer, pH 8.0, + 10% glycerol + 2 mM DTT.

Purity: >90% as determined by SDS-PAGE.

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 RKDDTIPAI SHDE.

Storage & Stability: Store at 2-4°C if entire vial will be used within 2-4 weeks. Store frozen in aliquots at -20° C to -80°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.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

