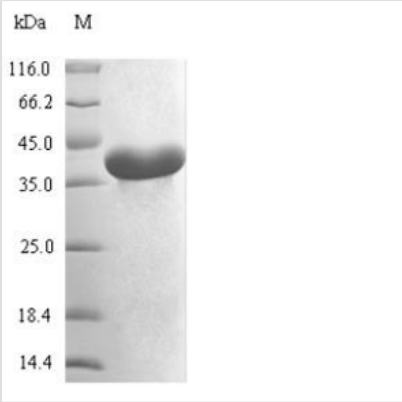
Recombinant Mycoplasma pneumoniae Methionine aminopeptidase (map)

Product Code	CSB-EP608941MLW
Relevance	Removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Requires deformylation of the N(alpha)-formylated initiator methionine before it can be hydrolyzed.
Abbreviation	map
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q11132
Alias	Short name:MAPUniRule annotation Short name:MetAPUniRule annotation Alternative name(s): Peptidase M
Product Type	Recombinant Protein
Immunogen Species	Mycoplasma pneumoniae (strain ATCC 29342 / M129)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MVYLKSAREVEQIRQACKIFQEAKAYFTIERLLGKSLTAIDQALKQFIESKGATC AFHKYQNFPGFNCLSLNETVIHGIADNRVFGVKDKLTLDIGINLNGYICDAAFTV LGPKAPEPMQTLLEVTEACFTAVVEPQLRPNNPTGNVSHAIQTYFESKGYYLL KQFGGHGCGIKVHEEPLILNYGKPDTGTKLEPGMVLCIEPMVMTDSDAMVMH NNSWNVLTPKSRYNCHVEQMYVITTSGFECLTN
Lead Time	3-7 business days
Research Area	Cell Biology
Source	E.coli
Gene Names	map
Protein Names	Recommended name: Methionine aminopeptidase Short name= MAP EC= 3.4.11.18 Alternative name(s): Peptidase M
Expression Region	1-248aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	43.7kDa
Protein Description	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.