

Recombinant Escherichia coli Methionine aminopeptidase(map)

Catalog No: #AP71145

Package Size: #AP71145-1 20ug #AP71145-2 100ug #AP71145-3 1mg

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Description

Product Name	Recombinant Escherichia coli Methionine aminopeptidase(map)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-264aaSequence Info:Full Length
Other Names	Peptidase M
Accession No.	P0AE18
Calculated MW	45.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	AISIKTPEDIEKMRVAGRLAAEVLEMIEPYVKPGVSTGELDRICNDYIVNEQHAVSACLGYHGYPKSVCISINEVV CHGIPDDAKLLKDGDIVNIDVTVIKDGFGHGDTSKMFIVGKPTIMGERLCRITQESLYLALRMVKPGINLREIGAAI QKFVEAEGFSVVREYCGHGIGRGFHEEPQVLHYDSRETNVVLKPGMTFTIEPMVNAGKKEIRTMKDGWTVKT KDRSLSAQYEHTIVVTDNGCEILTRKDDTIPAIISHDE
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Structural basis of catalysis by monometalated methionine aminopeptidase.Ye Q.Z., Xie S.X., Ma Z.Q., Huang M., Hanzlik R.P.Proc. Natl. Acad. Sci. U.S.A. 103:9470-9475(2006)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.