Recombinant Escherichia coli Peptide deformylase(def)

Catalog No: #AP70622

Package Size: #AP70622-1 20ug #AP70622-2 100ug #AP70622-3 1mg

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Description

Product Name	Recombinant Escherichia coli Peptide deformylase(def)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-169aaSequence Info:Full Length
Other Names	Polypeptide deformylase
Accession No.	P0A6K3
Uniprot	P0A6K3
GeneID	947780;
Calculated MW	35.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SVLQVLHIPDERLRKVAKPVEEVNAEIQRIVDDMFETMYAEEGIGLAATQVDIHQRIIVIDVSENRDERLVLINPELLEKSGETGIEEGCLSIPEQRALVPRAEKVKIRALDRDGKPFELEADGLLAICIQHEMDHLVGKLFMDYLSPLKQQRIRQKVEKLDRLKARA
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

Roves the formyl group from the N-terminal Met of newly synthesized proteins. Requires at least a dipeptide for an efficient rate of reaction. N-terminal L-methionine is a prerequisite for activity but the enzyme has broad specificity at other positions.

References

Structural basis for the design of antibiotics targeting peptide deformylase.Hao B., Gong W., Rajagopalan P.T.R., Zhou Y., Pei D., Chan M.K.Biochemistry 38:4712-4719(1999)
Research Topic:Others

Note: This product is for in vitro research use only