

Recombinant Staphylococcus aureus Peptide deformylase(def)

Catalog No: #AP70624

Package Size: #AP70624-1 20ug #AP70624-2 100ug #AP70624-3 1mg

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Description

Product Name	Recombinant Staphylococcus aureus Peptide deformylase(def)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-183aaSequence Info:Full Length
Other Names	Polypeptide deformylase
Accession No.	P68826
Calculated MW	36.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MLTMKDIIRDGHPTLRQKAAEELPLTKEEKETLIAMREFLVNSQDEEIAKRYGLRSGVGLAAPQINISKRMIAVL IPDDGSGKSYDYMLVNP KIVSHSVQEAYLPTGEGCLSVDDNVAGLVHRHNRTIKAKDIEGNDIQLRLKGYP AIV FQHEIDHLNGVMFYDHIDKNHPLQPHTDAVEV
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 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

Staphylococcus aureus deformylase 1 encoding DNA.Lonetto M.A., Sylvester D.R., Warren R.L. Identification of Staphylococcus aureus proteins recognized by the antibody-mediated immune response to a biofilm infection.Brady R.A., Leid J.G., Camper A.K., Costerton J.W., Shirtliff M.E.Infect. Immun. 74:3415-3426(2006)Research Topic:Others

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