

Recombinant Lysobacter enzymogenes Lysyl endopeptidase

Catalog No: #AP77702

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP77702-1 20ug #AP77702-2 100ug #AP77702-3 1mg

Description

Product Name	Recombinant Lysobacter enzymogenes Lysyl endopeptidase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 85% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-269aaSequence Info:Full Length
Other Names	Lys-C
Accession No.	Q7M135
Uniprot	Q7M135
Calculated MW	44 kDa
Tag Info	N-terminal 6xHis-SUMOSTAR-tagged
Target Sequence	GVSGSCNIDVVCPEGNGHRDVIRSVAAYSKQGTMWCTGSLVNNSANDKKMYFLTANHCGMTTAAIASSMVV YWNYQNSTCRAPGSSSSGANGDGLAQSQTGAVVRATNAASDFTLLELNTAANPAYNLFWAGWDRRDQNF AGATAIHHPNVAEKRISHSTVATEISGYNGATGTSHLHVFWQASGGVTEPGSSGSPISPEKRVLGQLHGGPS SCSATGADRSDYYGRVFTSWTGGGTSATRLSDWLDAAAGTGAQFIDGLDSTGTPPV
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

Highly specific endopeptidase that hydrolyzes lysyl bonds including the Lys-Pro bond.

References

“Atomic resolution structure of a lysine-specific endoproteinase from *Lysobacter enzymogenes* suggests a hydroxyl group bound to the oxyanion hole.” Asztalos P., Muller A., Holke W., Sobek H., Rudolph M.G. *Acta Crystallogr. D Biol. Crystallogr.* 70:1832-1843(2014)

Research Topic:Others

Note: This product is for in vitro research use only