

Recombinant Geobacillus stearothermophilus Gellan lyase

Catalog No: #AP70961

Package Size: #AP70961-1 20ug #AP70961-2 100ug #AP70961-3 1mg

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Description

Product Name	Recombinant Geobacillus stearothermophilus Gellan lyase
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-204aaSequence Info:Full Length
Accession No.	P85513
Calculated MW	24.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LVSESNPGRAIPAGGKGATIRAARPGLATTLNGPKAGNGTTGATKLTPARPLSEGANMMCDHRAGGNAAIS GSSVGEGTARAGDSKVMRMLSPKGSIIAGTVNMMPADIAAGSVRTPSSLPPDGRSATPMSVSEVASDISHK DGSVNVTKDPVTAAGLTAMRKNANKGSPASPLPLKADNKGVHINKHWVDLKNNDNFNTR
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

Cleaves the glycosidic bonds of gellan backbone and releases tetrasaccharide units of glucuronyl-glucosyl-rhamnosyl-glucose with unsaturated glucuronic acid at the non-reducing terminal. The enzyme is highly specific to the heteropolysaccharide gellan.

References

Physicochemical characteristics of a thermostable gellan lyase from Geobacillus stearothermophilus 98.Derekova A., Atanassova M., Christova P., Tchobanov B., Shosheva A., Mandeva R., Rodriguez-Alonso P., Garabal J.I., Kambourova M.Z. Naturforsch. C Biosci. 65:231-238(2010) Research Topic:Others

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