

# Recombinant Geobacillus stearothermophilus Gellan lyase

Catalog No: #AP72866

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Package Size: #AP72866-1 20ug #AP72866-2 100ug #AP72866-3 1mg

## Description

Product Name	Recombinant Geobacillus stearothermophilus Gellan lyase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-204aaSequence Info:Full Length
Accession No.	P85513
Uniprot	P85513
Calculated MW	22.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LVSESNPGRAIPAGGKGATIRAARPGLATTLNGPKAGNGTTGATKLTPARPLSEGANMMCDHRAGGNAAIS GSSVGEGETARAGDSKVMSRMLSPKGSIIAGTVNMMPADIAAGSVRTPSSLPPDGRSATPMSVSEVADISHK DGSVNVTKDPVTAAGLTAMRKNANKGSPPASPLPKADNKGVHINKHWVDLKNDFNTR
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

Primary structure analysis of a purified thermostable gellan lyase produced by Bulgarian geothermal spring inhabitant Geobacillus stearothermophilus 98. Atanassova M., Rodriguez-Alonso P., Garabal J.I., Derekova A., Terziiska A., Mandeva R., Kambourova M. Eur. J. Biochem. 0:0-0(2008) Research Topic: Others

Note: This product is for in vitro research use only