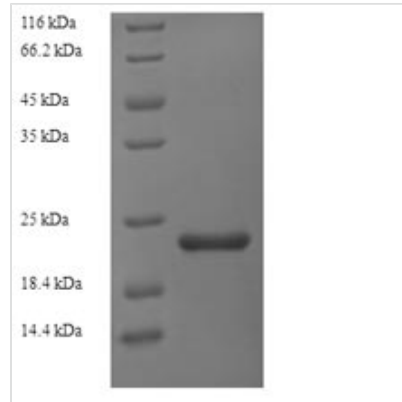




Recombinant *Geobacillus stearothermophilus* Gellan lyase, partial

Product Code	CSB-YP308328GFM
Relevance	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.
Abbreviation	Recombinant <i>Geobacillus stearothermophilus</i> Gellan lyase protein, partial
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.
Uniprot No.	P85513
Product Type	Recombinant Protein
Immunogen Species	<i>Geobacillus stearothermophilus</i> (<i>Bacillus stearothermophilus</i>)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	LVSESNPGRAIPAGGKGATIRAARPGLATTLNGPKAGNGTTGATKLTPARPL SEGANMMCDHRAGGNAAISGSSVGEGTARAGDSKVMRMLSPKGSIIAGTVN MMPADIAAGSVRTPSSLPPDGRSATPMSVSEVASDISHKDGSVNVTKDPVTAA GLTAMRKNANKGSPASPLPLKADNKGVHINKHWVDLKNDFNTR
Research Area	Others
Source	Yeast
Protein Names	Recommended name: Gellan lyase EC= 4.2.2.-
Expression Region	1-204aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	22.5kDa
Protein Length	partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.