

Gellan lyase Protein, Geobacillus stearothermophilus, Recombinant (His)

General Information

Synonyms:	Gellan lyase
Protein Construction:	1-204 aa
Species:	Geobacillus stearothermophilus
Expression Host:	E. coli
Accession:	P85513
Molecular Weight:	24.5 kDa (predicted)
AA Sequence:	LVSESNPGRAIPAGGKGATIRAARPGLATTLNGPKAGNGTTGATKLTPARPLSEGANMMCDHRAGGNAAIS GSSVGEGTARAGDSKVMRMLSPKGSIIAGTVNMMPADIAAGSVRTPSSLPPDGRSATPMSVSEVASDISHK DGSVNVTKDPVTAAGLTAMRKNANKGSPASPLPLKADNKGVHINKHWVDLKNNDNFNTR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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