

# Recombinant *Bacillus stearothermophilus* Gellan protein, His-tagged

**Cat. No.** Gellan-3788B    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant <i>Bacillus stearothermophilus</i> Gellan protein(P85513)(1-204aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                        |
| <b>Species</b>          | <i>Bacillus stearothermophilus</i>                                                                                                                                                                                                    |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-204aa                                                                                                                                                                                                                               |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 24.5 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | LVSESNPGRAIPAGGKGATIRAARPGLATTLNGPKAGNGTTGATKLTTTPARPLSEGA<br>NMMCDHRAGGNAAISGSSVGEGTARAGDSKVMRMLSPKGSIIAGTVNMMPADIA<br>AGSVRTPSSLPPDGRSATPMSVSEVASDISHKDGSVNVTKDPVTAAGLTAMRKNAN<br>KGSPPASPLPLKADNKGVHINKHWVDLKNDFNTR                |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid                                                                                                                                                     |

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repeated freeze-thaw cycles.

**Reconstitution**

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%.

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