



# Recombinant Escherichia coli O9:H4 1,4-alpha-glucan branching enzyme GlgB (glgB)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-MP425209EJF  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | A8A5P2   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O9:H4 (strain HS)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSDRIDRDVI NALIAGHFAD PFSVLGMHKT TAGLEVRALL PDATDVWVIE<br>PKTGRKLAKL ECLDSRGFFS GVIPRRKNFF RYQLAVVWHG QQNLIDDPYR<br>FGPLIQEMDA WLLSEGTHLR PYETLGAHAD TMDGVTGTRF SVWAPNARRV<br>SVVGQFNWD GRRHPMRLRK ESGIWELFIP GAHNGQLYKY EMIDANGNLR<br>LKSDPYAFEAF QMRPETASLI CGLPEKVVT EERKKANQFD APISIEVHL<br>GSWRRHTDNN FWLSYRELAD QLVYAKWVG FTHLELLPIN<br>EHPFDGSWGY QPTGLYAPTR RFGTRDDFRY FIDAAHAAGL NVILDWVPGH<br>FPTDDFALAE FDGTNLYEHS DPREGYHQDW NTLIYNYGRR EVSNFLVGNA<br>LYWIERFGID ALRVDVASM IYRDYSRKEG EWIPNEFGGR ENLEAIEFLR<br>NTNRILGEQV SGAVTMAEES TDFPGVSRPQ DMGGLGFYK<br>WNLGWMHDTL DYMKLDPVYR QYHHDKLTFG ILYNYTENFV LPLSHDEVVH<br>GKKSILDRMP GDAWQKFANL RAYYGWMAF PGKLLFMGN<br>EFAQGREWNH DASLDWHLE GGDNWHHGVS RLVLDLNLTY<br>RHHKAMHELD FDPYGFELV VDDKERSVLI FVRRDKEGNE IIVASNFTPV<br>PRHDYRFGIN QPGKWREILN TDSMHHYHGSN AGNGGTVHSD EIASHGRQHS<br>LSLTLPLAT IWLVREAE |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | glgB   |
| <b>Protein Names</b>     | Recommended name: 1,4-alpha-glucan branching enzyme GlgB EC= 2.4.1.18<br>Alternative name(s): 1,4-alpha-D-glucan:1,4-alpha-D-glucan 6-glucosyl-<br>transferase Alpha-(1->4)-glucan branching enzyme Glycogen branching enzyme<br>Short name=   |
| <b>Expression Region</b> | 1-728  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | 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.

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