



# Recombinant Escherichia coli O139:H28 Alpha,alpha-trehalose-phosphate synthase [UDP- forming] (otsA)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-BP425088EJD  |
| <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>       | A7ZN22   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O139:H28 (strain E24377A / ETEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSRLVVVSNR IAPPDEHAAS AGGLAVGILG ALKAAGGLWF GWSGETGNED<br>QPLKKVKKGN ITWASFNLSE QDLDEYYNQF SNAVLWPAFH YRLDLVQFQR<br>PAWDGYLRVN ALLADKLLPL LQDDDIWIH DYHLLPFAHE LRKRGVNNRI<br>GFFLHIPFPT PEIFNALPTY DTLLEQLCDY DLLGFQTEND RLAFLDCLSN<br>LTRVTTRSAS SHTAWGKAFR TEVYPIGIEP KEIAKQAAGP LPPKLAQLKA<br>ELKNVQNIFS VERLDYSKGL PERFLAYEAL LEKYPQHHGK IRYTQIPTS<br>RGDVQAYQDI RHQLENEAGR INGKYGQLGW TPLYLNLQHF DRKLLMKIFR<br>YSDVGLVTPL RDGMNLVAKE YVAAQDPANP GVLVLSQFAG AANELTSALI<br>VNPYDRDEVA AALDRALTMS LAERISRHAELMLDVIVKNDI NHWQECFISD<br>LKQIVPRSAE SQQRDKVATF PKLA |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | otsA   |
| <b>Protein Names</b>     | Recommended name: Alpha,alpha-trehalose-phosphate synthase [UDP-forming] EC= 2.4.1.15 Alternative name(s): Osmoregulatory trehalose synthesis protein A Trehalose-6-phosphate synthase UDP-glucose-glucosephosphate glucosyltransferase  |
| <b>Expression Region</b> | 1-474  |
| <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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