



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

<b>Product Code</b>	CSB-EP339194ENV
<b>Abbreviation</b>	Recombinant E.coli otsA protein
<b>Storage</b>	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?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?.
<b>Uniprot No.</b>	P31677
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Sensitivity</b>	Not Test
<b>Purity</b>	≥ 95% as determined by SDS-PAGE.
<b>Sequence</b>	SRLVVVSNRIAPPDEHAASAGGLAVGILGALKAAGGLWFGWSGETGNEDQPL KKVKKGNITWASFNLSEQDLDEYYNQFSNAVLWPAFHRYRLDLVQFQRPWDG YLRVNALLADKLLPLLQDDDIWIHDYHLLPFAHELKRGVNNRIGFFLHIPFPTP EIFNALPTYDTLLEQLCDYDLLGFQTENDRLAFLDCLSNLTRVTTRSASHTAW GKAFRTEVYPIGIEPKEIAKQAAGPLPPKLAQLKAELKNVQNIFSVERLDYSKGL PERFLAYEALLEKYPQHKGIRYQTIAPTSRGDVQAYQDIRHQLENEAGRINGK YGQLGWTPLYYLNQHFDRKLLMKIFRYSDVGLVTPLRDGMNLVAKEYVAAQD PANPGVLVLSQFAGAANELTSALIVNPYDRDEVAALDRALTMSLAERISRHAEL MLDVIVKNDINHWQECFISDLKQIVPRSAESQQRDKVATFPKLA
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	otsA
<b>Expression Region</b>	2-474aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	C-terminal 6xHis-tagged
<b>Mol. Weight</b>	60.4 kDa
<b>Protein Length</b>	Full Length of Mature Protein



## Image

kDa	M
116.0	
66.2	
45.0	
35.0	
25.0	
18.4	
14.4	

(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

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