



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

Product Code	CSB-YP544477ENX
Storage	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	B1LQW0
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain SMS-3-5 / SECEC)
Purity	>85% (SDS-PAGE)
Sequence	MSRLVVVSNR IAPPDEHAAS AGGLAVGILG ALKAAGGLWF GWSGETGNED QPLKKVKKGN ITWASFNLSE QDLDEYYNQF SNAVLWPAFH YRLDLVQFQR PAWDGYLRVN ALLADKLLPL LQDDDIWIH DYHLLPFAHE LRKRGVNNRI GFFLHIPFPT PEIFNALPTY DTLLEQLCDY DLLGFQTEND RLAFLDCLSN LTRVTTRSAS SHTAWGKAFR TEVYPIGIEP KEIAKQAAGP LPPKLAQLKA ELKNVQNIFS VERLDYSKGL PERFLAYEAL LEKYPQHHGK IRYTQIAPTS RGDVQAYQDI RHQLENEAGR INGKYGQLGW TPLYLNLQHF DRKLLMKIFR YSDVGLVTPL RDGMNLVAKE YVAAQDPANP GVLVLSQFAG AANELTSALI VNPYDRDEVA AALDRALTMS LAERISRHAELMLDVIVKNDI NHWQECFISD LKQIVPRSAE SQQRDKVATF PKLA
Source	Yeast
Target Names	otsA
Protein Names	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
Expression Region	1-474
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.