



# Recombinant Escherichia coli Glycogen debranching enzyme (glgX)

<b>Product Code</b>	CSB-EP001446ENV
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P15067
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MTQLAIGKPA PLGAHYDGQG VNFTLFSAHA ERVELCVFDA NGQEHRYDLP            GHSGDIWHGY LPDARPGRLY GYRVHGPWQP AEGHRFNPAK LLIDPCARQI            DGEFKDNPLL HAGHNEPDYR DNAAIAPKCV VVDHYDWED DAPRTPWGS            TIIYEAHVKG LTYLHPEIPV EIRGTYKALG HPVMINYLKQ LGITALELLP            VAQFASEPRL QRMGLSNIYWG YNPVAMFALH PAYACSPETA LDEFRDAIKA            LHKAGIEVIL DIVLNHSAEL DLDGPLFSLR GIDNRSYYWI REDGDYHNWT            GCGNTLNLSH PAVVDYASAC LRYWVETCHV DGFRFDLAAV MGRTPEFRQD            APLFTAIQNC PVLSQVKLIA EPWDIAPGGY QVGNFPPLFA EWNDHFRDAA            RRFWLHYDLP LGAFAGRFAA SSDVFKRNGR LPSAAILNLT AHDGFTLRDC            VCFNHKHNEA NGEENRDGTN NNYSNNHGKE GLGGSLDLVE RRRDSIHALL            TTLLSQGTP MLLAGDEHGH SQHGNNNAYC QDNQLTWLDW            SQASSGLTAF TAALHLRKR IPALVENRWW EEGDGNVRWL NRYAQPLSTD            EWQNGPKQLQ ILLSDRFLIA INATLEVTEI VLPAGEWHAI PPFAGEDNPV            ITAVWQGPAH GLCVFQR</p>
<b>Source</b>	E.coli
<b>Target Names</b>	glgX
<b>Protein Names</b>	Recommended name: Glycogen debranching enzyme EC= 3.2.1.- Alternative name(s): Glycogen operon protein GlgX
<b>Expression Region</b>	1-657
<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.
<b>Shelf Life</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°C/-80°C. The shelf life



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