



Recombinant Clostridium butyricum 4-alpha-glucanotransferase (malQ)

Product Code	CSB-EP688393DUK-B
Abbreviation	malQ
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.	Q59266
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Clostridium butyricum
Purity	>85% (SDS-PAGE)
Sequence	MHISSLPGKY GIGTFGRSAY EFCDFLEKAG QKYWQILPLG QTSYGDSPYQ SFSAFAGNPY FIDLDILNEK NLLDKDDYEE KNFGDNKEMI NYGLIFNEKM KVLRKAYMNF NSKDDESAK FIEDEKKWLD DYSLFMALKY KFNFIWSNSW NKDIKLRKNE EIEKYKDELK EDVNYWKFLQ YEFFSQWKNL KDYANKKNIK IIGDIPIYIA QDSSDVWSNP DIFLLNKETL EPLKVSGCPP DAFSETGQLW GNPIYDWGYL EKTNFEWWVD RIKSSLKLYD ILRIDHFRGF EAYWSVDYGE KTAQNGKWIK GPEMKLFNVI KEKIGDIEII AEDLGYLTEE TLEFKKRTGF PGMKIIQFAF GGDSSNPYLP HNYEKNCVAY TGTHDNDTVR GWFEVTGSKE EKEKAVEYFK LTEEEGYNWG VIRGVWSSVA NTSIGVMQDF LNLGNEARIN KPSTLASNWS WRAKDNVFTN ELANKIYRLT RIYGRCE
Source	E.coli
Target Names	malQ
Protein Names	Recommended name: 4-alpha-glucanotransferase EC= 2.4.1.25 Alternative name(s): Amylomaltase Disproportionating enzyme Short name= D-enzyme
Expression Region	1-487
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.