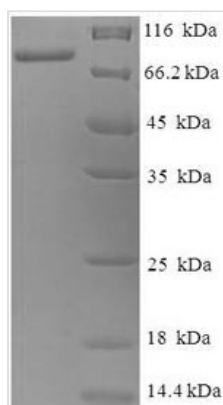




Recombinant *Bacillus subtilis* Levanase (sacC)

Product Code	CSB-EP356581BRJ
Relevance	Exo-fructosidase that can hydrolyze both levan and inulin, leading to the production of free fructose. Is also able to hydrolyze sucrose and to a small extent raffinose, but not melezitose, stachylose, cellobiose, maltose, and lactose.
Abbreviation	Recombinant <i>Bacillus subtilis</i> sacC protein
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.	P05656
Alias	Beta-D-fructofuranosidase;Exo-beta-D-fructosidase;Exo-levanase
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus subtilis</i> (strain 168)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ADSSYYDEDYRPQYHFTPEANWMNDPNGMVYYAGEYHLFYQYHPYGLQWG PMHWGHAVSKDLVTWEHLPVALYPDEKGTIFSGSAVVDKNNTSGFQTGKEKP LVAIYTQDREGHQVQSIAYSNDKGRTWTKYAGNPVIPNPGKKDFRDPKVFY EKEKKWVMVLAAGDRILIYTSKNLKQWTYASEFGQDQGSHGGVWECPDFEL PVDGNPNQKKWVMQVSVGNGAVSGGSGMQYFVGDFDGTDFKNENPPNKL WTDYGRDFYAAVSWSDIPSTDSRRLWLGWMSNWQYANDVPTSPWRSATSIP RELKLKAFTEGVRVVQTPVKELETIRGTSKKWKNLTISPASHNVLAGQSGDAY EINAEFKVSPGSAAEFGFKVVRTGENQFTKVGYDRRNAKLFVDRSESGNDTFN PAFNTGKETAPLPVNGKVKLRI FVDRSSVEVFGNDGKQVITDIILPDRSSKGLE LYAANGGVKVKSLTIHPLKKVWGTTPFMSNMTGWTTVNGTWADTIEGKQGRS DGDSFILSSASGSDFTYESDITIKDGNGRGAGALMFRSDKDAKNGYLANVDAK HDLVKFFKFENGAASVIAEYKTPIDVNKKYHLKTEAEGDRFKIYLDDRLVIDAHD SVFSEGQFGLNVWDATAVFNVTKE
Research Area	Others
Source	E.coli
Target Names	sacC
Expression Region	25-677aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	77.2kDa
Protein Length	Full Length of Mature Protein
Image	



(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

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.