

Recombinant Bacillus Subtilis SACC Protein (25-677 aa), His-tagged

Cat. No. SACC-939B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bacillus Subtilis (strain 168) SACC Protein (25-677 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Bacillus Subtilis
Source	E.coli
ProteinLength	25-677 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.2 kDa
AA Sequence	ADSSYYDEDYRPQYHFTPEANWMNDPNGMVYYAGEYHLFYQYHPYGLQWGP MH WGHAVSKDLVTWEHLPVALYPDEKGTIFSGSAVVDKNNTSGFQTGKEKPLVAIYTQ DREGHQVQSIAYSNDKGRTWTKYAGNPVIPNPGKKDFRDPKVFWEKEKKWVMVL AAGDRILIYTSKNLKQWTYASEFGQDQGS HGGVWECPDLFELPVDGNPNQKKWVM QVSVGNGAVSGGSGMQYFVGDFDGTHFKNENPPNKVLWTDYGRDFYAAVSWSDI PSTDSRRLWLGWMSNWQYANDVPTSPWRSATSIPRELKLKAFTEGVRVVQTPVKE

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LETIRGTSKKWKNLTISPASHNVLAGQSGDAYEINAEFKVSPGSAAEFGFKVVRTGEN
QFTKVGYDRRNAKLFVDRSESGNDTFNPAFNTGKETAPLKPVNGKVKLRI FVDRSS
VEVFGNDGKQVITDIILPDRSSKGLELYAANGGVKVKSLTIHPLKKVWGTT FMSNMT
GWTTVNGTWADTIEGKQGRSDGDSFILSSASGSDFTYESDITIKDGNRGAGALMF
RSDKDAKNGYLANVDAKHDLVKFFKFENGAASVIAEYKTPIDVNKKYHLKTEAEGDR
FKIYLDDRLVIDAHSVFESEGGFGLNVWDATAVFQNVTKES

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

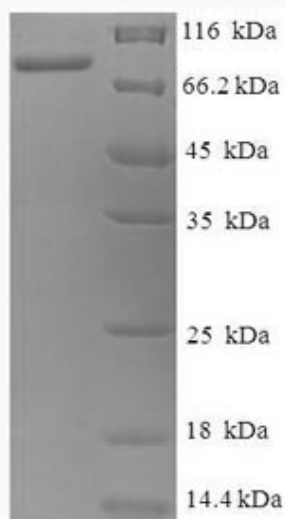
GENE INFORMATION

UniProt ID [P05656](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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