Single-Stranded DNA-Binding Protein (ssb) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Single-stranded DNA-binding protein (ssb), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Single-stranded DNA-binding protein (ssb)
Product Gene Name	ssb recombinant protein
Product Synonym Gene Name	ssb
Sequence	MMNRVILVGR LTKDPDLRYT PNGVAVATFT LAVNRAFANQ QGEREADFIN CVIWRKQAEN VANYLKKGSL AGVDGRLQTR NYEGQDGKRV YVTEVLAESV QFLEPRNGGG EQRGSFNQQP SGAGFGNQGS NPFGQSSNSG NQGNSGFTKN DDPFSNVGQP IDISDDDLPF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	18,494 Da
Sequence Positions	1-170, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q814G6
Species	Bacillus cereus (strain 14579 / DSM 31)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ssb recombinant protein	MBS1356987 is a recombinant protein targeting ssb. Also known as Recombinant Bacillus cereus Single-stranded DNA-binding protein (ssb). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ssb recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ssb. It may not necessarily be applicable to this product.

NCBI GI #	30023497
NCBI GeneID	1207814
NCBI Accession #	NP_835128.1
UniProt Primary Accession #	Q814G6
UniProt Related Accession #	Q814G6
GenBank Nucleotide #	NC_004722.1

NCBI Official Full Name	single-stranded DNA-binding protein
NCBI Official Symbol	BC5475
UniProt Protein Name	Single-stranded DNA-binding protein
Protein Family	Heat shock protein
UniProt Gene Name	ssb
UniProt Synonym Gene Names	SSB
NCBI Protein Information	single-stranded DNA-binding protein
UniProt Comments for ssb	Plays an important role in DNA replication, recombination and repair. Binds to ssDNA and to an array of partner proteins to recruit them to their sites of action during DNA metabolism.
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