RNA Polymerase Sigma Factor Sigz (sigZ) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA polymerase sigma factor sigZ (sigZ), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis RNA polymerase sigma factor sigZ (sigZ)
Product Gene Name	sigZ recombinant protein
Sequence	MNIEDLWDQF HQPLKTYISH RVNDQSIVDD LLQIVFMKIQ VHLPNLIDEQ KIDSWIYRIT RNTIIDFYRT KKTSEILPDV LHFNDSAEEE NFTKEATVCI RSTIKRLPEK YREALELTDF QGLSQKELSE KLGISYSGAK SRVQRGRGKL KQLLEGCCHI EADRYGNIVD FRILKE
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	20,717 Da
Sequence Positions	1-176, Full length protein
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 O05409
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sigZ recombinant protein	MBS1230822 is a recombinant protein targeting sigZ. Also known as Recombinant Bacillus subtilis RNA polymerase sigma factor sigZ (sigZ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sigZ 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 sigZ. It may not necessarily be applicable to this product.

NCBI GI #	16079737
NCBI GeneID	937617
NCBI Accession #	NP_390561.1
UniProt Primary Accession #	O05409
UniProt Related Accession #	O05409
GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	RNA polymerase sigma factor SigZ

NCBI Official Symbol	sigZ
UniProt Protein Name	RNA polymerase sigma factor SigZ
Protein Family	RNA polymerase sigma factor
UniProt Gene Name	sigZ
NCBI Protein Information	RNA polymerase sigma factor SigZ
UniProt Comments for sigZ	Sigma factors are initiation factors that promote the attachment of RNA polymerase to specific initiation sites and are then released.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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