Sensor Histidine Kinase Spak (spaK) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sensor histidine kinase spaK (spaK), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis Sensor histidine kinase spaK (spaK), partial
Product Gene Name	spaK recombinant protein
Sequence	AMNTGFSHPA NYNEREAEKL APKLETIDKV TADMIPDTMS YAILNKETKQ KTAGTIKEKD LQLVKKKIEK KPYVNYKQKG YLVIERNNEY CVLQYSLRAD FSSPLLRKYL PNYELT
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	52,457 Da
Sequence Positions	40-155
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 P33113
Species	Bacillus subtilis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for spaK recombinant protein	MBS1254399 is a recombinant protein targeting spaK. Also known as Recombinant Bacillus subtilis Sensor histidine kinase spaK (spaK), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of spaK 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 spaK. It may not necessarily be applicable to this product.

NCBI GI #	6226707
NCBI Accession #	P33113.3
UniProt Primary Accession #	P33113
NCBI Official Full Name	Sensor histidine kinase SpaK
UniProt Protein Name	Sensor histidine kinase SpaK
UniProt Synonym Protein Names	Subtilin biosynthesis sensor protein SpaK
Protein Family	Sensor histidine kinase

UniProt Gene Name	spaK
UniProt Comments for spaK	Member of the two-component regulatory system SpaK/SpaR involved in the regulation of the biosynthesis of lantibiotic subtilin. SpaK may function as a membrane-associated protein kinase that phosphorylates SpaR in response to environmental signals.
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