Regulatory Protein Spx (spxA) Streptococcus Pyogenes Serotype M3 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Regulatory protein spx (spxA), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M3 Regulatory protein spx (spxA)
Product Gene Name	spxA recombinant protein
Sequence	MVTLFLSPSC TSCRKARAWL VKHEVDFQEH NIITSPLSRD ELMSILSFTE NGTEDIISTR SKVFQKLDVD VEELSISDLI DLIAKNPSLL RRPIIMDQKR MQIGFNEDEI RAFLSRDYRK QELRQATIKA EIEG
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	15,514 Da
Sequence Positions	1-134, 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 P0CZ83
Species	Streptococcus pyogenes serotype M3 (strain SSI-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for spxA recombinant protein	MBS1257417 is a recombinant protein targeting spxA. Also known as Recombinant Streptococcus pyogenes serotype M3 Regulatory protein spx (spxA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of spxA 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 spxA. It may not necessarily be applicable to this product.

NCBI GI #	489074544
NCBI Accession #	WP_002984496.1
UniProt Primary Accession #	P0CZ83
UniProt Secondary Accession #	Q8K7C0
GenBank Nucleotide #	WP_002984496.1
NCBI Official Full Name	regulatory protein Spx
UniProt Protein Name	Regulatory protein Spx

Protein Family	Regulatory protein
UniProt Gene Name	spxA
UniProt Comments for spxA	Interferes with activator-stimulated transcription by interaction with the RNA polymerase alpha-CTD. May function to globally reduce transcription of genes involved in growth- and development-promoting processes and to increase transcription of genes involved in thiol homeostasis, during periods of extreme stress.
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