Tyrosine Recombinase Xers (xerS) Streptococcus Pyogenes Serotype M3 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosine recombinase XerS (xerS), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M3 Tyrosine recombinase XerS (xerS)
Product Gene Name	xerS recombinant protein
Sequence	MRRELLLEKI ETYKAIMPWY VLDYYQSKLA VPYSFTTLYE YLKEYKRFFD WLMDADLTQA PKIADIDLST LEHLTKKDLE AFVLYLRERP SLNTYSTKEG LSQTTINRTL SALSSLYKYL TEEVENDQGE PYFYRNVMKK VSTKKKKETL ASRAENIKQK LFLGDETLAF LDYVDKEYEQ KLSNRAKSSF RKNKERDLAI IALLLASGVR LSEAVNLDLK DVNLNMMIIE VIRKGGKRDS VNVAGFAKGY LESYLAVRQR RYKAEKQDLA FFLTEYRGVP NRMDASSIEK MVGKYSEDFK IRVTPHKLRH TLATRLYDAT KSQVLVSHQL GHSSTQVTDL YTHIVNDEQK NALDNL
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	41,472 Da
Sequence Positions	1-356, 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 P0DH45
Species	Streptococcus pyogenes serotype M3 (strain SSI-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xerS recombinant protein	MBS1240474 is a recombinant protein targeting xerS. Also known as Recombinant Streptococcus pyogenes serotype M3 Tyrosine recombinase XerS (xerS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xerS 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 xerS. It may not necessarily be applicable to this product.

NCBI GI #	489074646
NCBI Accession #	WP_002984598.1
UniProt Primary Accession #	P0DH45
UniProt Secondary Accession #	P67635; Q99ZK3

GenBank Nucleotide #	WP_002984598.1
NCBI Official Full Name	tyrosine recombinase XerS
UniProt Protein Name	Tyrosine recombinase XerS
Protein Family	Tyrosine recombinase
UniProt Gene Name	xerS
UniProt Comments for xerS	Site-specific tyrosine recombinase, which acts by catalyzing the cutting and rejoining of the recombining DNA molecules. Essential to convert dimers of the bacterial chromosome into monomers to permit their segregation at cell division.
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