Tyrosine Recombinase Xers (xerS) Streptococcus Sanguinis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosine recombinase XerS (xerS), Recombinant Protein
Full Product Name	Recombinant Streptococcus sanguinis Tyrosine recombinase XerS (xerS)
Product Gene Name	xerS recombinant protein
Sequence	MRRELLLERI DKLKATMPWY ILEYYQSKLA VPYSFTTLYE YLKEYDRFFN WVLESGITDA SHIAEIPLSV LENMSKKDME AFILYLRERP LLNANTTQNG VSQTTINRTL SALSSLYKYL TEEVENEQGE PYFYRNVMKK VATKKKKETL AARAENIKQK LFLGDETEEF LQYIDTEYPK KLSNRALSSF NKNKERDLAI IALLLASGVR LSEAVNLDLK DINLKMMVIE VTRKGGKRDS VNVAAFAKPY LEEYLSIRIK RYKAEKTDTA FFLTEYRGIP NRIDASSVEK MVAKYSEDFK VRVTPHKLRH TLATRLYDAT KSQVLVSHQL GHASTQVTDL YTHIVNDEQK NALDKL
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	41,323 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 A3CN22
Species	Streptococcus sanguinis (strain SK36)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xerS recombinant protein	MBS1242947 is a recombinant protein targeting xerS. Also known as Recombinant Streptococcus sanguinis 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 #	500162293
NCBI Accession #	WP_011836963.1
UniProt Primary Accession #	A3CN22
GenBank Nucleotide #	WP_011836963.1
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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