Tyrosine Recombinase Xerc (xerC) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosine recombinase XerC (xerC), Recombinant Protein
Full Product Name	Recombinant Lactobacillus delbrueckii subsp. bulgaricus Tyrosine recombinase XerC (xerC)
Product Gene Name	xerC recombinant protein
Product Synonym Gene Name	xerC
Sequence	MTLEEQFLSY LKNERSYSPK TVLAYQKDLA AAKKFWQENG GFPGWDQISR RDLEIYLLAT GQKLASSTLS RKLSSLKSFY RFLTRRGLVK ADPTVAIQLR RGKKKLPEFF YQDEVGQVIR SLNDGKPLTV RNRAIVALFY ATGMRLSELT DLKIKQLDLE NGMILVHGKG NKDRYVFFDQ ESKKYLEEYL QAARPSLLKN EPDTGAVFLN KLGRPISSRG IAKAVQQIFQ KAGLTAGAHP HELRHSFATA MLNNGADLRS VQELLGHEDL STTQIYTHVS MQHLTVEYRQ HFPRK
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	33,681 Da
Sequence Positions	1-295, 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 Q1G9V2
Species	Lactobacillus delbrueckii subsp. bulgaricus (strain 11842 / DSM 20081)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xerC recombinant protein	MBS1290119 is a recombinant protein targeting xerC. Also known as Recombinant Lactobacillus delbrueckii subsp. bulgaricus Tyrosine recombinase XerC (xerC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xerC 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 xerC. It may not necessarily be applicable to this product.

NCBI GI #	489714563
NCBI Accession #	WP_003618694.1
UniProt Primary Accession #	Q1G9V2
GenBank Nucleotide #	WP_003618694.1
NCBI Official Full Name	tyrosine recombinase XerC

UniProt Protein Name	Tyrosine recombinase XerC
Protein Family	Putative tyrosine recombinase
UniProt Gene Name	xerC
UniProt Comments for xerC	Site-specific tyrosine recombinase, which acts by catalyzing the cutting and rejoining of the recombining DNA molecules. The XerC-XerD complex is essential to convert dimers of the bacterial chromosome into monomers to permit their segregation at cell division. It also contributes to the segregational stability of plasmids.
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