Tyrosine Recombinase Xerd (xerD) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosine recombinase XerD (xerD), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus Tyrosine recombinase XerD (xerD)
Product Gene Name	xerD recombinant protein
Product Synonym Gene Name	xerD
Sequence	MDTIIEEYLK FIQLEKGLSS NTIGAYRRDL KKYNTFLELQ KISHIDFIDR ASIQQCLGYL HDNGASAKSL ARFISTIRSF HQFALREKYA AKDPTVLIET PKYDRKLPDV LEINEVLALL ETPNLAKING YRDRTMLELL YATGMRVSEL IQIELEDVNL IMGFVKVFGK GNKERIVPLG DTVIEYLKTY IETIRPQLLK KTVTNTLFLN MHGKPLSRQA IWKMIKQNAI KANITKSLTP HTLRHSFATH LLENGADLRA VQEMLGHSDI STTQLYTHVS KSQIRKMYNE FHPRA
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	33,952 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 Q49XU5
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xerD recombinant protein	MBS1396572 is a recombinant protein targeting xerD. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus Tyrosine recombinase XerD (xerD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xerD 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 xerD. It may not necessarily be applicable to this product.

NCBI GI #	488413845
NCBI Accession #	WP_002483230.1
UniProt Primary Accession #	Q49XU5
GenBank Nucleotide #	WP_002483230.1
NCBI Official Full Name	MULTISPECIES: tyrosine recombinase XerD

UniProt Protein Name	Tyrosine recombinase XerD
Protein Family	Integrase/recombinase
UniProt Gene Name	xerD
UniProt Comments for xerD	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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