Tyrosine Recombinase Xerc (xerC) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosine recombinase XerC (xerC), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris Tyrosine recombinase XerC (xerC)
Product Gene Name	xerC recombinant protein
Product Synonym Gene Name	xerC
Sequence	MPEAAPPVAD ARGSSPTATT GPGADATLSA VEPFLAHLQI ERQVSAHTLD AYRRDLAALI GWASAQGSED VAQLDSAQLR KFVTAEHRRG LSPKSLQRRL SACRSYYAWL LKHGRIATSP AAALRAPKAP RKLPQVLDAD EAVRLVEVPT DAPLGLRDRA LLELFYSSGL RLSELCALRW RDLDLDSGLV TVLGKGGKQR LVPVGSHAVA ALRAWQRDSG GSAQTHVFPG RAGGAISQRA VQIRIKQLAV RQGMFKHVHP HMLRHSFASH ILESSGDLRG VQELLGHSDI ATTQIYTHLD FQHLAKVYDA AHPRAKRKKA TE
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	35,004 Da
Sequence Positions	1-322, 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 Q8P550
Species	Xanthomonas campestris pv. campestris (strain 33913 / NCPPB 528 / LMG 568)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xerC recombinant protein	MBS1308165 is a recombinant protein targeting xerC. Also known as Recombinant Xanthomonas campestris pv. campestris 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 #	21232926
NCBI GeneID	1000064
NCBI Accession #	NP_638843.1
UniProt Primary Accession #	Q8P550

UniProt Related Accession #	Q8P550
GenBank Nucleotide #	NC_003902.1
NCBI Official Full Name	site-specific tyrosine recombinase XerC
NCBI Official Symbol	xerC
UniProt Protein Name	Tyrosine recombinase XerC
Protein Family	Putative tyrosine recombinase
UniProt Gene Name	xerC
NCBI Protein Information	site-specific tyrosine recombinase 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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