Lactose Phosphotransferase System Repressor (lacR) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lactose phosphotransferase system repressor (lacR), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Lactose phosphotransferase system repressor (lacR)
Product Gene Name	lacR recombinant protein
Sequence	MNKHERLDEI AKLVNKKGTI RTNEIVEGLN VSDMTVRRDL IELENKGILT KIHGGARSNS TFQYKEISHK EKHTRQIAEK RFIAKKAASL IEDGDTLFFG PGTTVELLAE EVNHHTLTII TNCLPVYKIL LEKQTAHFRV YLIGGEMRHI TEAFVGEMAN AMLEKLRFSK MFFSSNAVNK GAVMTSTLDE AYTQQLALSN SIEKYLLIDH TKVGKEDFTS FCQLNELTAV VMDYEDEEKV ETIKTYIEVV D
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	28,549 Da
Sequence Positions	1-251, 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 P0A0P9
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lacR recombinant protein	MBS1190710 is a recombinant protein targeting lacR. Also known as Recombinant Staphylococcus aureus Lactose phosphotransferase system repressor (lacR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lacR 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 lacR. It may not necessarily be applicable to this product.

NCBI GI #	59799787
NCBI Accession #	P0A0P9.1
UniProt Primary Accession #	P0A0P9
UniProt Secondary Accession #	P16644
NCBI Official Full Name	Lactose phosphotransferase system repressor

UniProt Protein Name	Lactose phosphotransferase system repressor
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	lacR
UniProt Comments for lacR	Repressor of the lactose catabolism operon. Galactose-6-phosphate is the inducer ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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