Lactose Permease (lacY) Klebsiella Oxytoca Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lactose permease (lacY), Recombinant Protein
Full Product Name	Recombinant Klebsiella oxytoca Lactose permease (lacY), partial
Product Gene Name	lacY recombinant protein
Sequence	MKLSELAPRE RHNFIYFMLF FFFYYFIMSA YFPFFPVWLA EVNHLTKTET GIVFSCISLF AIIFQPVFGL ISDKLGLRKH LLWTITILLI LFAPFFIFVF SPLLQMNIMA GALVGGVYLG IVFSSRSGAV EAYIERVSRA NRFEYGKVRV SGCVGWALCA SITGILFSID PNITFWIASG FALILGVLLW VSKPESSNSA EVIDALGANR QAFSMRTAAE LFRMPRFWGF IIYVVGVASV YDVFDQQFAN FFKGFFSSPQ RGTEVFGFVT TGGELLNALI MFCAPAIINR IGAKNALLIA GLIMSVRILG SSFATSAVEV IILKMLHMFE IPFLLVGTFK YISSAFKGKL SATLFLIGFN LSKQLSSVVL SAWVGRMYDT VGFHQAYLIL GCITLSFTVI SLFTLKGSKT LLPATA
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	46,221 Da
Sequence Positions	1-416
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 P18817
Species	Klebsiella oxytoca
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lacY recombinant protein	MBS1168804 is a recombinant protein targeting lacY. Also known as Recombinant Klebsiella oxytoca Lactose permease (lacY), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lacY 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 lacY. It may not necessarily be applicable to this product.

NCBI GI #	125942
NCBI Accession #	P18817.2
UniProt Primary Accession #	P18817
NCBI Official Full Name	Lactose permease
UniProt Protein Name	Lactose permease

UniProt Synonym Protein Names	Lactose-proton symport
UniProt Gene Name	lacY
UniProt Comments for lacY	Responsible for transport of beta-galactosides into the cell, with the concomitant import of a proton (symport system).
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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