Large-Conductance Mechanosensitive Channel (mscL) Burkholderia Mallei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Large-conductance mechanosensitive channel (mscL), Recombinant Protein
Full Product Name	Recombinant Burkholderia mallei Large-conductance mechanosensitive channel (mscL)
Product Gene Name	mscL recombinant protein
Product Synonym Gene Name	mscL
Product Synonym Names	Recombinant Large-conductance mechanosensitive channel (mscL); Large-conductance mechanosensitive channel
Sequence	MSIIKEFKEF AVKGNVMDLA IGVIIGGAFS KIVDSVVKDL IMPVIGVLTG GLDFSNKFVL LGQIPASFKG NPESFKDLQA AGVATFGYGS FITVLINFII LAFIIFLMVK FINKLRKPEE AAPAATPEDV LLLREIRDSL KQR
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	15,578 Da
Sequence Positions	1-143
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.
Chromosome Location	Chromosome: I; NC_008785.1 (1976377..1976808). Location: chromosome: I
3D Structure	ModBase 3D Structure for A1V513
Species	Burkholderia mallei (strain SAVP1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mscL recombinant protein	MBS1263278 is a recombinant protein targeting mscL. Also known as Recombinant Burkholderia mallei Large-conductance mechanosensitive channel (mscL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mscL 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 mscL. It may not necessarily be applicable to this product.

NCBI GI #	121599349
NCBI GeneID	4680097
NCBI Accession #	YP_993316.1
UniProt Primary Accession #	A1V513

UniProt Related Accession #	ZP_00449511
GenBank Nucleotide #	NC_008785.1
NCBI Official Full Name	large-conductance mechanosensitive channel
NCBI Official Symbol	mscL
UniProt Protein Name	Large-conductance mechanosensitive channel
Protein Family	Large-conductance mechanosensitive channel
UniProt Gene Name	mscL
UniProt Entry Name	MSCL_BURMS
NCBI Protein Information	large-conductance mechanosensitive channel
UniProt Comments for mscL	Function: Channel that opens in response to stretch forces in the membrane lipid bilayer. May participate in the regulation of osmotic pressure changes within the cell By similarity. HAMAP-Rule MF_00115 Subunit structure: Homopentamer By similarity. HAMAP-Rule MF_00115 Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_00115. Sequence similarities: Belongs to the MscL family.
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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