Large-Conductance Mechanosensitive Channel (Mscl) (Tgr7_2042) Thioalkalivibrio Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Large-conductance mechanosensitive channel (mscL) (Tgr7_2042), Recombinant Protein
Full Product Name	Recombinant Thioalkalivibrio sp. Large-conductance mechanosensitive channel (mscL)
Product Gene Name	Tgr7_2042 recombinant protein
Product Synonym Gene Name	mscL
Product Synonym Names	Recombinant Large-conductance mechanosensitive channel (mscL); Large-conductance mechanosensitive channel
Sequence	MGMLKEFKEF AVKGNVVDMA VGIIIGVAFG KIVSSFVSDV IMPPLGLLIG GVDFSDLAIT LQHAGEGVAE VTLRYGVFLQ AIFDFIIIAF AIFIAVKAIN TLKKKEEAAP PPAPPEPSSE EKLLAEIRDL LKQK
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	14,385 Da
Sequence Positions	1-134
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	NC_011901.1 (2170607..2171011, complement)
3D Structure	ModBase 3D Structure for B8GTM8
Species	Thioalkalivibrio sp. (strain HL-EbGR7)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tgr7_2042 recombinant protein	MBS1253869 is a recombinant protein targeting Tgr7_2042. Also known as Recombinant Thioalkalivibrio sp. Large-conductance mechanosensitive channel (mscL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tgr7_2042 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 Tgr7_2042. It may not necessarily be applicable to this product.

NCBI GI #	220935210
NCBI GeneID	7316431
NCBI Accession #	YP_002514109.1
UniProt Primary Accession #	B8GTM8

UniProt Related Accession #	ZP_03279530
GenBank Nucleotide #	NC_011901.1
NCBI Official Full Name	large-conductance mechanosensitive channel
NCBI Official Symbol	Tgr7_2042
UniProt Protein Name	Large-conductance mechanosensitive channel
UniProt Gene Name	mscL
UniProt Entry Name	MSCL_THISH
NCBI Protein Information	large-conductance mechanosensitive channel
UniProt Comments for Tgr7_2042	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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