Membrane-Bound Lytic Murein Transglycosylase C (mltC) Shigella Sonnei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Membrane-bound lytic murein transglycosylase C (mltC), Recombinant Protein
Full Product Name	Recombinant Shigella sonnei Membrane-bound lytic murein transglycosylase C (mltC)
Product Gene Name	mltC recombinant protein
Product Synonym Gene Name	mltC
Sequence	CSTTKKGDTY NEAWVKDTNG FDILMGQFAH NIENIWGFKE VVIAGPKDYV KYTDQYQTRS HINFDDGTIT IETIAGTEPA AHLRRAIIKT LLMGDDPSSV DLYSDVDDIT ISKEPFLYGQ VVDNTGQPIR WEGRASNFAD YLLKNRLQSR SNGLRIIYSV TINMVPNHLD KRAHKYLGMV RQASRKYGVD ESLILAIMQT ESSFNPYAVS RSDALGLMQV VQHTAGKDVF RSQGKSGTPS RSFLFDPASN IDTGTAYLAM LNNVYLDGID NPTSRRYAVI TAYNGGAGSV LRVFSNDKIQ AANIINTMTP GDVYQTLTTR HPSAESRRYL YKVNTAQKSY RRR
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	40,170 Da
Sequence Positions	17-359, Full length
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 Q3YXF0
Species	Shigella sonnei (strain Ss046)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mltC recombinant protein	MBS1331538 is a recombinant protein targeting mltC. Also known as Recombinant Shigella sonnei Membrane-bound lytic murein transglycosylase C (mltC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mltC 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 mltC. It may not necessarily be applicable to this product.

NCBI GI #	491297212
NCBI Accession #	WP_005155224.1
UniProt Primary Accession #	Q3YXF0
GenBank Nucleotide #	WP_005155224.1

NCBI Official Full Name	MULTISPECIES: lytic murein transglycosylase
UniProt Protein Name	Membrane-bound lytic murein transglycosylase C
UniProt Synonym Protein Names	Murein lyase C
Protein Family	Membrane-bound lytic murein transglycosylase
UniProt Gene Name	mltC
UniProt Comments for mltC	Murein-degrading enzyme. May play a role in recycling of muropeptides during cell elongation and/or cell division.
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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