Multidrug Resistance-Like ATP-Binding Protein Mdlb (mdlB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Multidrug resistance-like ATP-binding protein MdlB (mdlB), Recombinant Protein
Full Product Name	Recombinant Multidrug resistance-like ATP-binding protein MdlB (mdlB)
Product Gene Name	mdlB recombinant protein
Product Synonym Gene Name	mdlB
Product Synonym Names	Recombinant Multidrug resistance-like ATP-binding protein MdlB (mdlB); Multidrug resistance-like ATP-binding protein MdlB EC= 3.6.3.44
Sequence	MRSFSQLWPT LKRLLAYGSP WRKPLGIAVL MMWVAAAAEV SGPLLISYFI DNMVAKNNLP LKVVAGLAAA YVGLQLFAAG LHYAQSLLFN RAAVGVVQQL RTDVMDAALR QPLSEFDTQP VGQVISRVTN DTEVIRDLYV TVVATVLRSA ALVGAMLVAM FSLDWRMALV AIMIFPVVLV VMVIYQRYST PIVRRVRAYL ADINDGFNEI INGMSVIQQF RQQARFGERM GEASRSHYMA RMQTLRLDGF LLRPLLSLFS SLILCGLLML FGFSASGTIE VGVLYAFISY LGRLNEPLIE LTTQQAMLQQ AVVAGERVFE LMDGPRQQYG NDDRPLQSGT IEVDNVSFAY RDDNLVLKNI NLSVPSRNFV ALVGHTGSGK STLASLLMGY YPLTEGEIRL DGRPLSSLSH SALRQGVAMV QQDPVVLADT FLANVTLGRD ISEERVWQAL ETVQLAELAR SMSDGIYTPL GEQGNNLSVG QKQLLALARV LVETPQILIL DEATASIDSG TEQAIQHALA AVREHTTLVV IAHRLSTIVD ADTILVLHRG QAVEQGTHQQ LLAAQGRYWQ MYQLQLAGEE LAASVREEES LSA
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	65,222 Da
Sequence Positions	1-593
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_004431.1 (545286..547067)
3D Structure	ModBase 3D Structure for P0AAG6
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mdlB recombinant protein	MBS1244949 is a recombinant protein targeting mdlB. Also known as Recombinant Multidrug resistance-like ATP-binding protein MdlB (mdlB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mdlB 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 mdlB. It may not necessarily be applicable to this product.

NCBI GI #	229106386
NCBI GeneID	1040474
NCBI Accession #	NP_752500.2
UniProt Primary Accession #	P0AAG6
UniProt Secondary Accession #	P30751; P75706; P77117
UniProt Related Accession #	P0AAG6
GenBank Nucleotide #	NC_004431.1
NCBI Official Full Name	multidrug transporter membraneATP-binding components
NCBI Official Symbol	mdlB
UniProt Protein Name	Multidrug resistance-like ATP-binding protein MdlB
Protein Family	Multidrug resistance-like ATP-binding protein
UniProt Gene Name	mdlB
UniProt Entry Name	MDLB_ECOL6
NCBI Protein Information	multidrug transporter membraneATP-binding components
UniProt Comments for mdlB	Catalytic activity: ATP + H2O + xenobiotic(In) = ADP + phosphate + xenobiotic(Out). Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity. Sequence similarities: Belongs to the ABC transporter superfamily. Drug exporter-2 (TC 3.A.1.117) family. [View classification]Contains 1 ABC transmembrane type-1 domain.Contains 1 ABC transporter domain. Sequence caution: The sequence AAN79044.1 differs from that shown. Reason: Erroneous initiation.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/multidrug-resistance-like-atp-binding-protein-mdlb-mdlb/1244949