Membrane Protein Insertase Yidc (Yidc) (Mrad2831_3503) Methylobacterium Radiotolerans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Membrane protein insertase YidC (yidC) (Mrad2831_3503), Recombinant Protein
Full Product Name	Recombinant Methylobacterium radiotolerans Membrane protein insertase YidC (yidC)
Product Gene Name	Mrad2831_3503 recombinant protein
Product Synonym Gene Name	yidC
Product Synonym Names	Recombinant Membrane protein insertase YidC (yidC); Membrane protein insertase YidC; Foldase YidC Membrane integrase YidC Membrane protein YidC
Sequence	MGNDKTNMFV AIGLSLLVLL GWQYFVAGPR MEQQRQIEAQ NKAAQQQPPG VTPDGVPSPS PKEGGPAAPA PGTLPTAQGG PVSREAALAR SPRVRIETPA LSGSIALKGG RVDDVSLKNY HETIDPKSPE IVLFSPAGTE TPYYAEFGWV GANAGPLPTN DTLWTSDGKT LSPGMPVTLT WDNGAGLVFK RIIAVDDKYM FTIRDEVENK GSGAITLYPY SLVSRWGKPH TQGYYVLHEG MIGYLGNDGL QEFTYDKLAK EGAYGGANTK GKAWTGVTGG FVGITDKYWA AAAIPDQDTP YTGAFTDRTD GATNVYQASV RGDAVNLAAG ASATATQRLF AGAKEVNVIN NYEKDLGIKH FDLMIDWGWF FFITKPMFRA LDFFYHLFGN FGVSILVVTF CLKLLFLPIA NRSYVSMAKM KAVQPEMAAI RERYKDDRMK QQQATMELYK KEKINPVAGC WPVLIQIPVF FALYKVLFIT IEMRHAPFFG WIRDLAAPDP TSIVNLFGLL PFPAPDFVHL GVWPIIMGIT MFVQMKMNPA PPDPVQAQIF TFMPIVFTFM LGSFPAGLVI YWAWNNTLSV IQQYVIMRRN GVKVELWDNL RSTFRRGNGT KAAATKS
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	67,989 Da
Sequence Positions	1-617
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_010505.1 (3718247..3720100, complement)
3D Structure	ModBase 3D Structure for B1LTW1
Species	Methylobacterium radiotolerans (strain 27329 / DSM 1819 / JCM 2831)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mrad2831_3503 recombinant protein	MBS1162476 is a recombinant protein targeting Mrad2831_3503. Also known as Recombinant Methylobacterium radiotolerans Membrane protein insertase YidC (yidC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mrad2831_3503 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 Mrad2831_3503. It may not necessarily be applicable to this product.

NCBI GI #	170749903
NCBI GeneID	6139556
NCBI Accession #	YP_001756163.1
UniProt Primary Accession #	B1LTW1
UniProt Related Accession #	B1LTW1
GenBank Nucleotide #	NC_010505.1
NCBI Official Full Name	60 kDa inner membrane insertion protein
NCBI Official Symbol	Mrad2831_3503
UniProt Protein Name	Membrane protein insertase YidC
UniProt Synonym Protein Names	Foldase YidC; Membrane integrase YidC; Membrane protein YidC
UniProt Gene Name	yidC
UniProt Entry Name	YIDC_METRJ
NCBI Protein Information	60 kDa inner membrane insertion protein
UniProt Comments for Mrad2831_3503	Function: Required for the insertion and/or proper folding and/or complex formation of integral membrane proteins into the membrane. Involved in integration of membrane proteins that insert both dependently and independently of the Sec translocase complex, as well as at least some lipoproteins. Aids folding of multispanning membrane proteins By similarity. HAMAP-Rule MF_01810 Subunit structure: Interacts with the Sec translocase complex via SecD. Specifically interacts with transmembrane segments of nascent integral membrane proteins during membrane integration By similarity. Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01810. Sequence similarities: Belongs to the OXA1/ALB3/YidC family. Type 1 subfamily.
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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