Membrane Protein Insertase Yidc (Yidc) (SeHA_C4176) Salmonella Heidelberg Recombinant Protein

PRODUCT OVERVIEW

Product Name	Membrane protein insertase YidC (yidC) (SeHA_C4176), Recombinant Protein
Full Product Name	Recombinant Salmonella heidelberg Membrane protein insertase YidC (yidC)
Product Gene Name	SeHA_C4176 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	MDSQRNLLVI ALLFVSFMIW QAWEQDKNPQ PQTQQTTQTT TTAAGSAADQ GVPASGQGKM ITVKTDVLDL TINTRGGDVE QALLPAYPKE LGSNEPFQLL ETTPQFIYQA QSGLTGRDGP DNPANGPRPL YNVEKEAFVL ADGQNELQVP MTYTDAAGNT FTKTFVFKRG DYAVNVNYSV QNAGEKPLEV STFGQLKQSV NLPPHRDTGS SNFALHTFRG AAYSTPDEKY EKYKFDTIAD NENLNVSSKG GWVAMLQQYF ATAWIPRNDG TNNFYTANLG NGIVAIGYKA QPVLVQPGQT GAMTSTLWVG PEIQDKMAAV APHLDLTVDY GWLWFISQPL FKLLKWIHSF VGNWGFSIII ITFIVRGIMY PLTKAQYTSM AKMRMLQPKI QAMRERLGDD KQRQSQEMMA LYKAEKVNPL GGCFPLIIQM PIFLALYYML MGSIELRHAP FALWIHDLSA QDPYYILPIL MGVTMFFIQK MSPTTVTDPM QQKIMTFMPV IFTVFFLWFP SGLVLYYIVS NLVTIIQQQL IYRSLEKRGL HSREKKKS
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	61,664 Da
Sequence Positions	1-548
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_011083.1 (4060634..4062280)
3D Structure	ModBase 3D Structure for B4TAV2
Species	Salmonella heidelberg (strain SL476)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SeHA_C4176 recombinant protein	MBS1163896 is a recombinant protein targeting SeHA_C4176. Also known as Recombinant Salmonella heidelberg Membrane protein insertase YidC (yidC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SeHA_C4176 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 SeHA_C4176. It may not necessarily be applicable to this product.

NCBI GI #	194448004
NCBI GeneID	6489907
NCBI Accession #	YP_002047874.1
UniProt Primary Accession #	B4TAV2
UniProt Related Accession #	B4TAV2
GenBank Nucleotide #	NC_011083.1
NCBI Official Full Name	putative inner membrane protein translocase component YidC
NCBI Official Symbol	SeHA_C4176
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_SALHS
NCBI Protein Information	putative inner membrane protein translocase component YidC
UniProt Comments for SeHA_C4176	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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