Membrane Protein Insertase Yidc (Yidc) (ASA_4382) Aeromonas Salmonicida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Membrane protein insertase YidC (yidC) (ASA_4382), Recombinant Protein
Full Product Name	Recombinant Aeromonas salmonicida Membrane protein insertase YidC (yidC)
Product Gene Name	ASA_4382 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	MESQRNLILI GLLFVSFLLW QQWESDKAPK PAPTTVAQTE HFVPEAGQTG DIPQVSEQAN ANAARKLITV SSDVLKLTLD TQGGDIVSAE LLAHKLEEGK DQSFVLLTSQ PDRLYVAQSG LVGRDGPDSQ AQGRPTYEAA QTSYQLADGQ DQVVVPMTWT DSKGVVFTKE FVLKRGDYAI GVDYKIDNKS AEPVQVQFYG QLKQTVTTPK DQEGHAMVAS AYRGGAFSSE ESRYKKYTFD EMKDADLNKT TKGGWVAMLQ HYFVSAWAPN ADDTNSFYSR VIPGKDQAII GYKAPLVDVA AGQQAEVTSK LWVGPKLQDQ MAKVANHLDL TVDYGWLWFI AQPLHWLLTV FQGFVHNWGV AIIMLTLLVR GIMFPLTKAQ YTSMAKMRML QPKLAALKER FSDDRQKMSQ GMMELYKKEK VNPLGGCLPI LVQMPIFIAL YWALMESVEL RHAPFALWIT DLSVKDPFFV LPILMGASMW YLQKMSPTTI TDPMQQKVMQ FMPIIFTFMF LWFPAGLTLY WLVSNVISIT QQTIIYRQLE KKGLHTRT
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	61,743 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_009348.1 (4697487..4699133, complement)
3D Structure	ModBase 3D Structure for A4STS5
Species	Aeromonas salmonicida (strain A449)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ASA_4382 recombinant protein	MBS1241424 is a recombinant protein targeting ASA_4382. Also known as Recombinant Aeromonas salmonicida Membrane protein insertase YidC (yidC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ASA_4382 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 ASA_4382. It may not necessarily be applicable to this product.

NCBI GI #	145301204
NCBI GeneID	4995915
NCBI Accession #	YP_001144045.1
UniProt Primary Accession #	A4STS5
UniProt Related Accession #	A4STS5
GenBank Nucleotide #	NC_009348.1
NCBI Official Full Name	60 kDa inner membrane protein
NCBI Official Symbol	ASA_4382
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_AERS4
NCBI Protein Information	60 kDa inner membrane protein
UniProt Comments for ASA_4382	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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