Signal Recognition Particle Receptor Ftsy (ftsY) Rickettsia Felis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Signal recognition particle receptor FtsY (ftsY), Recombinant Protein
Full Product Name	Recombinant Rickettsia felis Signal recognition particle receptor FtsY (ftsY)
Product Gene Name	ftsY recombinant protein
Product Synonym Gene Name	ftsY
Sequence	MISIFSKLKQ SLSKTSNKIS KGIDKIFYKK KLDTETLEEL EELLIASDMS VSVVTNIIEE FKKVKFDKEI DSDTVKEALA ELIEQQLSKS EIPFTLNENK LNVILVCGVN GAGKTTTIGK LAAMYGMQGK KVAVAACDTF RAAAVNQLST WVDRANALLI TGEESADPAS VAYRAMEESI KQNIDILFID TAGRLHNKKN LMDELSKIVK VIKKLDENAP THSVLVIDAI TGQNTYNQVE HFNDATNLTG LIVTKLDGSA KAGVLVGVVQ KFNLPVYFIG IGEKIEDLKI FNRHDFAKSL VGL
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	33,298 Da
Sequence Positions	1-303, Full length protein
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 Q4UK46
Species	Rickettsia felis (strain VR-1525 / URRWXCal2) (Rickettsia azadi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ftsY recombinant protein	MBS1401246 is a recombinant protein targeting ftsY. Also known as Recombinant Rickettsia felis Signal recognition particle receptor FtsY (ftsY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ftsY 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 ftsY. It may not necessarily be applicable to this product.

NCBI GI #	499590779
NCBI Accession #	WP_011271538.1
UniProt Primary Accession #	Q4UK46
GenBank Nucleotide #	WP_011271538.1
NCBI Official Full Name	signal recognition particle-docking protein FtsY

UniProt Protein Name	Signal recognition particle receptor FtsY
Protein Family	Signal recognition particle receptor
UniProt Gene Name	ftsY
UniProt Synonym Gene Names	SRP receptor
UniProt Comments for ftsY	Involved in targeting and insertion of nascent membrane proteins into the cytoplasmic membrane. Acts as a receptor for the complex formed by the signal recognition particle (SRP) and the ribosome-nascent chain (RNC). Interaction with SRP-RNC leads to the transfer of the RNC complex to the Sec translocase for insertion into the membrane, the hydrolysis of GTP by both Ffh and FtsY, and the dissociation of the SRP-FtsY complex into the individual components.
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