Signal Recognition Particle Protein (ffh) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Signal recognition particle protein (ffh), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Signal recognition particle protein (ffh)
Product Gene Name	ffh recombinant protein
Sequence	MFDNLTDRLS RTLRNISGRG RLTEDNVKDT LREVRMALLE ADVALPVVRE FINRVKEKAV GHEVNKSLTP GQEFVKIVRN ELVAAMGEEN QTLNLAAQPP AVVLMAGLQG AGKTTSVGKL GKFLREKHKK KVLVVSADVY RPAAIKQLET LAEQVGVDFF PSDVGQKPVD IVNAALKEAK LKFYDVLLVD TAGRLHVDEA MMDEIKQVHA SINPVETLFV VDAMTGQDAA NTAKAFNEAL PLTGVVLTKV DGDARGGAAL SIRHITGKPI KFLGVGEKTE ALEPFHPDRI ASRILGMGDV LSLIEDIESK VDRAQAEKLA SKLKKGDGFD LNDFLEQLRQ MKNMGGMASL MGKLPGMGQI PDNVKSQMDD KVLVRMEAII NSMTMKERAK PEIIKGSRKR RIAAGCGMQV QDVNRLLKQF DDMQRMMKKM KKGGMAKMMR SMKGMMPPGF PGR
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	49,787 Da
Sequence Positions	1-453, 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 P0AGD9
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ffh recombinant protein	MBS1227135 is a recombinant protein targeting ffh. Also known as Recombinant Escherichia coli O157:H7 Signal recognition particle protein (ffh). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ffh 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 ffh. It may not necessarily be applicable to this product.

NCBI GI #	15832727
NCBI GeneID	914815
NCBI Accession #	NP_311500.1
UniProt Primary Accession #	P0AGD9
UniProt Secondary Accession #	P07019; P77007; P77008

GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	signal recognition particle protein
NCBI Official Symbol	ECs3473
UniProt Protein Name	Signal recognition particle protein
UniProt Synonym Protein Names	Fifty-four homolog
Protein Family	Signal recognition particle protein
UniProt Gene Name	ffh
NCBI Protein Information	signal recognition particle protein
UniProt Comments for ffh	Involved in targeting and insertion of nascent membrane proteins into the cytoplasmic membrane. Binds to the hydrophobic signal sequence of the ribosome-nascent chain (RNC) as it emerges from the ribosomes. The SRP-RNC complex is then targeted to the cytoplasmic membrane where it interacts with the SRP receptor FtsY. Interaction with FtsY 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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