Secreted Effector Protein Espf (U) (Espf (U)) (espF(U)) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Secreted effector protein EspF (U) (espF (U)) (espF(U)), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Secreted effector protein EspF (U) (espF (U))
Product Gene Name	espF(U) recombinant protein
Product Synonym Gene Name	espF(U)
Sequence	MINNVSSLFP TVNRNITAVY KKSSFSVSPQ KITLNPVKIS SPFSPSSSSI SATTLFRAPN AHSASFHRQS TAESSLHQQL PNVRQRLIQH LAEHGIXPAR SMAEHIPPAP KWPAPPPPVQ NEQSRPLPDV AQRLMQHLAE HGIQPARNMA EHIPPAPNWP APTPPVQNEQ SRPLPDVAQR LMQHLAEHGI QPARNMAEHI PPAPXWXAPT PPVQNEQSRP LPDVAQRLMQ HLAEHGIZPA RSMAEHIPPA PNWPAPPPPV QNEQSRPLPD VAQRLXQHLA EHGIQPARNM AEHIPPAPNW PAPXXPVXNE QSRPLXDVAX RLMQHLAEHG IQPARNMAEH IPPAPNWXAP TPPVQNEQSR PLPDVAQRLM QHLAEHGINT SKRS
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	42,474 Da
Sequence Positions	1-384, 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 Q8X482
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for espF(U) recombinant protein	MBS1333851 is a recombinant protein targeting espF(U). Also known as Recombinant Escherichia coli O157:H7 Secreted effector protein EspF (U) (espF (U)). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of espF(U) 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 espF(U). It may not necessarily be applicable to this product.

NCBI GI #	81807357
NCBI Accession #	Q8X482.1
UniProt Primary Accession #	Q8X482

NCBI Official Full Name	Secreted effector protein EspF(U)
UniProt Protein Name	Secreted effector protein EspF(U)
UniProt Synonym Protein Names	EspF-like protein encoded on prophage U; Tir-cytoskeleton coupling protein TccP
Protein Family	Secreted effector protein
UniProt Gene Name	espF(U)
UniProt Synonym Gene Names	tccP
UniProt Comments for espF(U)	Required for efficient pedestal formation in host epithelial cells during infection. Acts as an intermediate between Tir (via host BAIAP2) and host WASL/N-WASP. Directly binds and activates WASL/N-WASP, which stimulates actin polymerization and leads to the formation of actin pedestals at the sites of bacterial adhesion.
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