Type III Export Protein Pscf (pscF) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type III export protein pscF (pscF), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Type III export protein pscF (pscF)
Product Gene Name	pscF recombinant protein
Sequence	AQIFNPNPGN TLDTVANALK EQANAANKDV NDAIKALQGT DNADNPALLA ELQHKINKWS VIYNINSTVT RALRDLMQGI LQKI
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	16.6 kDa
Sequence Positions	2-85aa; Full Length of Mature 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 P95434
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pscF recombinant protein	MBS1136828 is a recombinant protein targeting pscF. Also known as Recombinant Pseudomonas aeruginosa Type III export protein pscF (pscF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pscF 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 pscF. It may not necessarily be applicable to this product.

NCBI GI #	15596916
NCBI GeneID	879634
NCBI Accession #	NP_250410.1
UniProt Primary Accession #	P95434
UniProt Secondary Accession #	Q7DCE8
UniProt Related Accession #	P95434
GenBank Nucleotide #	NC_002516.2

NCBI Official Full Name	type III export protein PscF
NCBI Official Symbol	pscF
UniProt Protein Name	Type III export protein PscF
UniProt Synonym Protein Names	Pseudomonas secretion protein F
Protein Family	Type III export protein
UniProt Gene Name	pscF
NCBI Protein Information	type III export protein PscF
UniProt Comments for pscF	Major component of the type III secretion needle structure. Required for cytotoxicity on macrophages.
Research Articles on pscF	**1.** PscE and PscG prevent PscF from polymerizing prematurely in the P. aeruginosa cytoplasm and keep it in a secretion prone conformation
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