Translation Initiation Factor if-3 (infC) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translation initiation factor IF-3 (infC), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Translation initiation factor IF-3 (infC)
Product Gene Name	infC recombinant protein
Product Synonym Gene Name	infC; NWMN_1574
Product Synonym Names	Translation initiation factor IF-3
Sequence	MSTIAKDQTQ INDKIRAKEL RLIGQDGEQI GVKSKREALE MAERVDLDLV VVAPNAKPPV ARIMDYGKFK FEQQKKEKEM KKKQKIINVK EIRLSPTIEE HDFQTKLKNG RKFLTKGDKC KVSIRFRGRA ITHKEIGQRV LEKYADECKD IATVEQKPKM DGRQMFIMLA PTAEK
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	20,214 Da
Sequence Positions	1-175aa; 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 A6QHL4
Species	Staphylococcus aureus (strain Newman)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for infC recombinant protein	MBS1227162 is a recombinant protein targeting infC. Also known as Recombinant Staphylococcus aureus Translation initiation factor IF-3 (infC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of infC 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 infC. It may not necessarily be applicable to this product.

NCBI GI #	151221786
NCBI GeneID	5332397
NCBI Accession #	YP_001332608.1
UniProt Primary Accession #	A6QHL4
UniProt Related Accession #	A6QHL4

GenBank Nucleotide #	NC_009641.1
NCBI Official Full Name	translation initiation factor IF-3
NCBI Official Symbol	infC
UniProt Protein Name	Translation initiation factor IF-3
Protein Family	Translation initiation factor
UniProt Gene Name	infC
UniProt Entry Name	IF3_STAAE
NCBI Protein Information	translation initiation factor IF-3
UniProt Comments for infC	IF-3 binds to the 30S ribosomal subunit and shifts the equilibrum between 70S ribosomes and their 50S and 30S subunits in favor of the free subunits, thus enhancing the availability of 30S subunits on which protein synthesis initiation begins.
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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