Translation Initiation Factor if-3 (infC) Streptococcus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translation initiation factor IF-3 (infC), Recombinant Protein
Full Product Name	Recombinant Streptococcus thermophilus Translation initiation factor IF-3 (infC)
Product Gene Name	infC recombinant protein
Product Synonym Gene Name	infC
Sequence	MKIIAKKDLF INDEIRVREV RLVGLDGEQL GIKPLSEAQA IADDANVDLV IIQPQATPPV AKIMNYGKFK FEYQKKRKEQ RKKQSVVTVK EVRLSPVIDK GDFETKLRNG RKFLEKGNKV KVSIRFKGRM ITHKEIGAKV LAEFAEKTQD IAIIEQRAKM DGRQMFMQLA PIPDKK
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	20,162 Da
Sequence Positions	1-176, 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 Q5M470
Species	Streptococcus thermophilus (strain BAA-250 / LMG 18311)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for infC recombinant protein	MBS1421377 is a recombinant protein targeting infC. Also known as Recombinant Streptococcus thermophilus 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 #	499545282
NCBI Accession #	WP_011226065.1
UniProt Primary Accession #	Q5M470
GenBank Nucleotide #	WP_011226065.1
NCBI Official Full Name	translation initiation factor IF-3
UniProt Protein Name	Translation initiation factor IF-3

Protein Family	Translation initiation factor
UniProt Gene Name	infC
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.
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