Sec-Independent Protein Translocase Protein Tata (tatA) Caulobacter Crescentus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sec-independent protein translocase protein TatA (tatA), Recombinant Protein
Full Product Name	Recombinant Caulobacter crescentus Sec-independent protein translocase protein TatA (tatA), partial
Product Gene Name	tatA recombinant protein
Sequence	MGSMSWIHWV IVLGIVALLF GGRGKLSSIM GDAAKGIKAF KDGLKDESSS EVADNKAKSA LPRTEAEAEE LRKS
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	7,891 Da
Sequence Positions	1-74
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 B8GX57
Species	Caulobacter crescentus (strain NA1000 / CB15N)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tatA recombinant protein	MBS1233351 is a recombinant protein targeting tatA. Also known as Recombinant Caulobacter crescentus Sec-independent protein translocase protein TatA (tatA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tatA 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 tatA. It may not necessarily be applicable to this product.

NCBI GI #	499222329
NCBI Accession #	WP_010919869.1
UniProt Primary Accession #	B8GX57
GenBank Nucleotide #	WP_010919869.1
NCBI Official Full Name	twin-arginine translocase TatA/TatE family subunit
UniProt Protein Name	Sec-independent protein translocase protein TatA
Protein Family	Sec-independent protein translocase protein

UniProt Gene Name	tatA
UniProt Comments for tatA	Part of the twin-arginine translocation (Tat) system that transports large folded proteins containing a characteristic twin-arginine motif in their signal peptide across membranes. TatA could form the protein-conducting channel of the Tat system.
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