Sec-Independent Protein Translocase Protein Tata (tatA) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sec-independent protein translocase protein TatA (tatA), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis Sec-independent protein translocase protein TatA (tatA), partial
Product Gene Name	tatA recombinant protein
Product Synonym Gene Name	tatA
Sequence	MGGISIWQLL IIALIVVLLF GTKKLRSLGG DLGGAVKGFK NAMSSEEDKK ALEDAEAAKP VQTAQTVQSA QPTQQATEKK PESNKEQA
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	9,339 Da
Sequence Positions	1-88
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 Q8E9R4
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tatA recombinant protein	MBS1360081 is a recombinant protein targeting tatA. Also known as Recombinant Shewanella oneidensis 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 #	24375687
NCBI GeneID	1171806
NCBI Accession #	NP_719730.1
UniProt Primary Accession #	Q8E9R4
UniProt Related Accession #	Q8E9R4
GenBank Nucleotide #	NC_004347.2

NCBI Official Full Name	twin arginine protein translocase system protein TatA
NCBI Official Symbol	tatA
UniProt Protein Name	Sec-independent protein translocase protein TatA
Protein Family	Sec-independent protein translocase protein
UniProt Gene Name	tatA
NCBI Protein Information	twin arginine protein translocase system protein 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.
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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