Protein Translocase Subunit Secy (secY) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein translocase subunit SecY (secY), Recombinant Protein
Full Product Name	Recombinant Protein translocase subunit SecY (secY)
Product Gene Name	secY recombinant protein
Product Synonym Gene Name	secY
Product Synonym Names	Recombinant Protein translocase subunit SecY (secY); Protein translocase subunit SecY
Sequence	IFASSLLLLP VTISTFSGNQ TGPIMSTVLA YFGPGQPLYL LFFAAMIVFF TYFYTYNVSF KTEDVAENLK NQGGFIPGIR PGKRTEDYLT YVVTRVLVIG SAYLAFVCLL PAARDHPRPA GDPLLLGGTS VLIVVSVVMD TINQVQSHLL AHQYEGLIEK SQLPGKRGKT GAAKPRKAPA RR
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	19,854 Da
Sequence Positions	1-182
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 P72179
Species	Paracoccus denitrificans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for secY recombinant protein	MBS1230494 is a recombinant protein targeting secY. Also known as Recombinant Protein translocase subunit SecY (secY). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of secY 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 secY. It may not necessarily be applicable to this product.

NCBI GI #	2500727
NCBI Accession #	P72179.1
UniProt Primary Accession #	P72179
NCBI Official Full Name	Protein translocase subunit SecY
UniProt Protein Name	Protein translocase subunit SecY

Protein Family	Preprotein translocase
UniProt Gene Name	secY
UniProt Entry Name	SECY_PARDE
UniProt Comments for secY	Function: The central subunit of the protein translocation channel SecYEG. Consists of two halves formed by TMs 1-5 and 6-10. These two domains form a lateral gate at the front which open onto the bilayer between TMs 2 and 7, and are clamped together by SecE at the back. The channel is closed by both a pore ring composed of hydrophobic SecY resides and a short helix (helix 2A) on the extracellular side of the membrane which forms a plug. The plug probably moves laterally to allow the channel to open. The ring and the pore may move independently By similarity. HAMAP-Rule MF_01465 Subunit structure: Component of the Sec protein translocase complex. Heterotrimer consisting of SecY, SecE and SecG subunits. The heterotrimers can form oligomers, although 1 heterotrimer is thought to be able to translocate proteins. Interacts with the ribosome. Interacts with SecDF, and other proteins may be involved. Interacts with SecA By similarity. Subcellular location: Cell membrane; Multi-pass membrane protein HAMAP-Rule MF_01465. Sequence similarities: Belongs to the SecY/SEC61-alpha family.
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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