Chaperone Sura (surA) Shewanella Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chaperone surA (surA), Recombinant Protein
Full Product Name	Recombinant Shewanella denitrificans Chaperone surA (surA)
Product Gene Name	surA recombinant protein
Product Synonym Gene Name	surA
Sequence	APVALDRVSV QINDGIILES EIGNMLATVR ANANKSNQTL PSEQALRTQV IERLILTRLQ LQMAERIGLQ IGDLQLDQTI ESIAKDQKLT VSQLQQQLEN DGLSFSQYRE QLREEITLGE IQRIQVQRRI QVSPQEISGL VKLMQEQGLK EVEFQIGHIL IDVPSEPSSE QLEASSKRAN IVLKRLNEGE DFRSTAIASS SGPKALEGGI WDYMNINEMP TLFAEVVNGA KVGDIIGPIK SGSGFHIIKV MDARGLQTKE VEEVKSRHIL LKPSPILSEE RAKAMLVNFQ KQILSGEADF AELARQYSED PGSAAKGGEL GWSSPDVYVP EFAQTLNSLK ENEMSEPFRT THGWHLTQLM DKRKTDATEQ FNSNRAHQLI FRRKFNEELQ AWLDEMRSDA YIEVFEPEVN RG
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	48,687 Da
Sequence Positions	23-434, 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 Q12K61
Species	Shewanella denitrificans (strain OS217 / BAA-1090 / DSM 15013)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for surA recombinant protein	MBS1321589 is a recombinant protein targeting surA. Also known as Recombinant Shewanella denitrificans Chaperone surA (surA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of surA 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 surA. It may not necessarily be applicable to this product.

NCBI GI #	499816580
NCBI Accession #	WP_011497314.1
UniProt Primary Accession #	Q12K61
GenBank Nucleotide #	WP_011497314.1

NCBI Official Full Name	chaperone SurA
UniProt Protein Name	Chaperone SurA
UniProt Synonym Protein Names	Peptidyl-prolyl cis-trans isomerase SurA
Protein Family	Chaperone
UniProt Gene Name	surA
UniProt Synonym Gene Names	PPIase SurA
UniProt Comments for surA	Chaperone involved in the correct folding and assembly of outer membrane proteins. Recognizes specific patterns of aromatic residues and the orientation of their side chains, which are found more frequently in integral outer membrane proteins. May act in both early periplasmic and late outer membrane-associated steps of protein maturation.
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