Regulator of Sigma D (rsd) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Regulator of sigma D (rsd), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Regulator of sigma D (rsd)
Product Gene Name	rsd recombinant protein
Product Synonym Gene Name	rsd
Sequence	MLNQLENLTE RVGGSNKLVD RWLDVRKHLL VAYYNLVGIK PGKESYMRLN EKALDDFCQS LVDYLSAGHF SIYERILHKL EGNGQLLHAA KIWPLLEDNT QRIMDYYDTS LETAIDHDNC LEFQQALSDI GEALEARFVL EDKLIMLVFD AMHDGARVKR PA
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	18,653 Da
Sequence Positions	1-162, 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 Q9L9I6
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rsd recombinant protein	MBS1427877 is a recombinant protein targeting rsd. Also known as Recombinant Salmonella typhimurium Regulator of sigma D (rsd). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rsd 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 rsd. It may not necessarily be applicable to this product.

NCBI GI #	16767419
NCBI GeneID	1255691
NCBI Accession #	NP_463034.1
UniProt Primary Accession #	Q9L9I6
UniProt Related Accession #	Q9L9I6
GenBank Nucleotide #	NC_003197.2

NCBI Official Full Name	anti-RNA polymerase sigma 70 factor
NCBI Official Symbol	rsd
UniProt Protein Name	Regulator of sigma D
Protein Family	Regulator of sigma
UniProt Gene Name	rsd
NCBI Protein Information	anti-RNA polymerase sigma 70 factor
UniProt Comments for rsd	Binds RpoD and negatively regulates RpoD-mediated transcription activation by preventing the interaction between the primary sigma factor RpoD with the catalytic core of the RNA polymerase and with promoter DNA. May be involved in replacement of the RNA polymerase sigma subunit from RpoD to RpoS during the transition from exponential growth to the stationary phase.
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