50s Ribosomal Protein L4 (rplD) Nitrobacter Hamburgensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L4 (rplD), Recombinant Protein
Full Product Name	Recombinant Nitrobacter hamburgensis 50S ribosomal protein L4 (rplD)
Product Gene Name	rplD recombinant protein
Product Synonym Gene Name	rplD
Sequence	MELNVTTLEG NAAGSVQLSD GIFGLEPRKD LIQRCVNWQL AKRQAGTHKT KGRAEIWRTG KKMFKQKGTG NARHGSARVP QFRGGGRAFG PVVRSHAHDL PKKVRALALR HALSAKAKDG GLIVIDSAEL NEAKTKALVG HFSGLGLTNA LIVDGAAVHA GFATAARNIP NIDVLPIQGI NVYDILRRRK LVLTKAAVDA LEARFK
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	22,164 Da
Sequence Positions	1-206, 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 Q1QN29
Species	Nitrobacter hamburgensis (strain X14 / DSM 10229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rplD recombinant protein	MBS1330374 is a recombinant protein targeting rplD. Also known as Recombinant Nitrobacter hamburgensis 50S ribosomal protein L4 (rplD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rplD 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 rplD. It may not necessarily be applicable to this product.

NCBI GI #	499829321
NCBI Accession #	WP_011510055.1
UniProt Primary Accession #	Q1QN29
GenBank Nucleotide #	WP_011510055.1
NCBI Official Full Name	50S ribosomal protein L4
UniProt Protein Name	50S ribosomal protein L4

Protein Family	50S ribosomal protein
UniProt Gene Name	rplD
UniProt Comments for rplD	One of the primary rRNA binding proteins, this protein initially binds near the 5'-end of the 23S rRNA. It is important during the early stages of 50S assembly. It makes multiple contacts with different domains of the 23S rRNA in the assembled 50S subunit and ribosome.
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