50s Ribosomal Protein L22 (rplV) Sphingopyxis Alaskensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L22 (rplV), Recombinant Protein
Full Product Name	Recombinant Sphingopyxis alaskensis 50S ribosomal protein L22 (rplV)
Product Gene Name	rplV recombinant protein
Product Synonym Gene Name	rplV
Sequence	MGKEKSPRRV ADNEALSVGT QIRGSAQKLN LVAALIRGRK VEDAMNVLAF SKKAMAVDVR KVLASAVANA ENNHNLDVDA LVVKEASVGK SLSMKRWHAR GRGKSTRIVK PFSRIRIVVR EQEEEA
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	13,832 Da
Sequence Positions	1-126, 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 Q1GPA4
Species	Sphingopyxis alaskensis (strain DSM 13593 / LMG 18877 / RB2256) (Sphingomonas alaskensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rplV recombinant protein	MBS1348052 is a recombinant protein targeting rplV. Also known as Recombinant Sphingopyxis alaskensis 50S ribosomal protein L22 (rplV). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rplV 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 rplV. It may not necessarily be applicable to this product.

NCBI GI #	499862349
NCBI Accession #	WP_011543083.1
UniProt Primary Accession #	Q1GPA4
GenBank Nucleotide #	WP_011543083.1
NCBI Official Full Name	MULTISPECIES: 50S ribosomal protein L22
UniProt Protein Name	50S ribosomal protein L22

Protein Family	50S ribosomal protein
UniProt Gene Name	rplV
UniProt Comments for rplV	This protein binds specifically to 23S rRNA; its binding is stimulated by other ribosomal proteins, e.g. L4, L17, and L20. 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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