50s Ribosomal Protein L2P (rpl2p) Thermoplasma Volcanium Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L2P (rpl2p), Recombinant Protein
Full Product Name	Recombinant Thermoplasma volcanium 50S ribosomal protein L2P (rpl2p)
Product Gene Name	rpl2p recombinant protein
Product Synonym Gene Name	rpl2p
Sequence	MGKHIIPQRR GHGSLVYRSP SHRHVVDVKH LKPGEYVVKD IIHAPGRNSP LLELVDSTGK KVYQIAFTGA YVGQKIVAGN VDTINPGTTT VLANIPDGSY VYNIESSPGD GGEFCRSAGT FALVVSHGSR VTLKLPSGSM RDFDPRCRAT VGVVAASGII DAPILKAGTH VHYLRSKAKR PYTVRGVAMN AVNHPHGGGN HQHVGRPSTV GRNAPPGRKV GRLSPKRRKV NGSK
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	25,007 Da
Sequence Positions	1-234, 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 Q97BX4
Species	Thermoplasma volcanium (strain 51530 / DSM 4299 / JCM 9571 / NBRC 15438 / GSS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpl2p recombinant protein	MBS1386991 is a recombinant protein targeting rpl2p. Also known as Recombinant Thermoplasma volcanium 50S ribosomal protein L2P (rpl2p). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpl2p 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 rpl2p. It may not necessarily be applicable to this product.

NCBI GI #	499219045
NCBI Accession #	WP_010916585.1
UniProt Primary Accession #	Q97BX4
GenBank Nucleotide #	WP_010916585.1
NCBI Official Full Name	50S ribosomal protein L2

UniProt Protein Name	50S ribosomal protein L2
UniProt Gene Name	rpl2
UniProt Comments for rpl2p	One of the primary rRNA binding proteins. Required for association of the 30S and 50S subunits to form the 70S ribosome, for tRNA binding and peptide bond formation. It has been suggested to have peptidyltransferase activity; this is somewhat controversial. Makes several contacts with the 16S rRNA in the 70S ribosome.
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