60s Ribosomal Protein L11 (RPL11) Chinchilla Lanigera Recombinant Protein

PRODUCT OVERVIEW

Product Name	60S ribosomal protein L11 (RPL11), Recombinant Protein
Full Product Name	Recombinant Chinchilla lanigera 60S ribosomal protein L11 (RPL11)
Product Gene Name	RPL11 recombinant protein
Product Synonym Gene Name	RPL11
Sequence	AQDQGEKENP MRELRIRKLC LNICVGESGD RLTRAAKVLE QLTGQTPVFS KARYTVRSFG IRRNEKIAVH CTVRGAKAEE ILEKGLKVRE YELRKNNFSD TGNFGFGIQE HIDLGIKYDP SIGIYGLDFY VVLGRPGFSI ADKKRRTGCI GAKHRISKEE AMRWFQQKYD GIILPGK
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	20,252 Da
Sequence Positions	2-178, 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 Q6QMZ8
Species	Chinchilla lanigera (Long-tailed chinchilla) (Chinchilla villidera)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RPL11 recombinant protein	MBS1424691 is a recombinant protein targeting RPL11. Also known as Recombinant Chinchilla lanigera 60S ribosomal protein L11 (RPL11). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RPL11 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 RPL11. It may not necessarily be applicable to this product.

NCBI GI #	537544607
NCBI GeneID	102017736
NCBI Accession #	NP_001269300.1
UniProt Primary Accession #	Q6QMZ8
UniProt Related Accession #	Q6QMZ8
GenBank Nucleotide #	NM_001282371.1

NCBI Official Full Name	60S ribosomal protein L11
NCBI Official Symbol	Rpl11
UniProt Protein Name	60S ribosomal protein L11
Protein Family	50S ribosomal protein
UniProt Gene Name	RPL11
NCBI Protein Information	60S ribosomal protein L11
UniProt Comments for RPL11	Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell. The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules. The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain. The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel. As part of the 5S RNP/5S ribonucleoprotein particle it is an essential component of the LSU, required for its formation and the maturation of rRNAs. It also couples ribosome biogenesis to p53/TP53 activation. As part of the 5S RNP it accumulates in the nucleoplasm and inhibits MDM2, when ribosome biogenesis is perturbed, mediating the stabilization and the activation of TP53. Promotes nucleolar location of PML.
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