60s Ribosomal Protein L7 (RPL7) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	60S ribosomal protein L7 (RPL7), Recombinant Protein
Full Product Name	Recombinant Chicken 60S ribosomal protein L7 (RPL7)
Product Gene Name	RPL7 recombinant protein
Product Synonym Gene Name	RPL7
Sequence	MADKEAKKVP SVPESLLKRR QAYAAAKAKR LKRLLAQKKF RKAQRKIIYE RAKAYHKEYR HMYRQEIRMA RMARKAGNYY VPAEPKLAFV IRIRGINGVS PKVRKVLQLL RLRQIFNGTF VKLNKASINM LRIVEPYIAW GYPNLKSVHD LIYKRGYGKI NKKRIALTDN SLIRKRLGKL GIICMEDVIH EIYTVGKNFK VVNNFLWPFK LSSPRGGMKK KTIHFVEGGD AGNREDQINR LIRRMN
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	28,780 Da
Sequence Positions	1-246, 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 Q5ZJ56
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RPL7 recombinant protein	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L30P family of ribosomal proteins. It contains an N-terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2. In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the translation apparatus. It is located in the cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Other Notes	Small volumes of RPL7 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.
Searchable Terms for RPL7 purchase	MBS1349960 is a recombinant protein targeting RPL7. Also known as Recombinant Chicken 60S ribosomal protein L7 (RPL7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPL7. It may not necessarily be applicable to this product.

NCBI GI #	57530626
NCBI GeneID	420182
NCBI Accession #	NP_001006345.1
UniProt Primary Accession #	Q5ZJ56
UniProt Related Accession #	Q5ZJ56
GenBank Nucleotide #	NM_001006345.2
NCBI Official Full Name	60S ribosomal protein L7
NCBI Official Synonym Full Names	ribosomal protein L7
NCBI Official Symbol	RPL7
UniProt Protein Name	60S ribosomal protein L7
Protein Family	60S ribosomal protein
UniProt Gene Name	RPL7
NCBI Protein Information	60S ribosomal protein L7
UniProt Comments for RPL7	Component of the large ribosomal subunit (). Binds to G-rich structures in 28S rRNA and in mRNAs. May play a regulatory role in the translation apparatus; inhibits cell-free translation of mRNAs ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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