60s Ribosomal Protein L22 (RPL22) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	60S ribosomal protein L22 (RPL22), Recombinant Protein
Full Product Name	Recombinant Chicken 60S ribosomal protein L22 (RPL22)
Product Gene Name	RPL22 recombinant protein
Product Synonym Gene Name	RPL22
Sequence	MAPVKKPAAK GGKKKKQVLK FTLDCTHPVE DGIMDAANFE QFLQERIKVN GKAGNLGGGV VTIERSKSKI TVTSEVPFSK RYLKYLTKKY LKKNNLRDWL RVVANSKESY ELRYFQINQD EEEEEEED
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	14,729 Da
Sequence Positions	1-128, 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 Q98TF8
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RPL22 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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22E family of ribosomal proteins. Its initiating methionine residue is post-translationally removed. The protein can bind specifically to Epstein-Barr virus-encoded RNAs (EBERs) 1 and 2. The mouse protein has been shown to be capable of binding to heparin. Transcript variants utilizing alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. It was previously thought that this gene mapped to 3q26 and that it was fused to the acute myeloid leukemia 1 (AML1) gene located at 21q22 in some therapy-related myelodysplastic syndrome patients with 3;21 translocations; however, these fusions actually involve a ribosomal protein L22 pseudogene located at 3q26, and this gene actually maps to 1p36.3-p36.2.
Other Notes	Small volumes of RPL22 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 RPL22 purchase	MBS1311540 is a recombinant protein targeting RPL22. Also known as Recombinant Chicken 60S ribosomal protein L22 (RPL22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPL22. It may not necessarily be applicable to this product.

NCBI GI #	45383834
NCBI GeneID	373937
NCBI Accession #	NP_989472.1
UniProt Primary Accession #	Q98TF8
UniProt Related Accession #	Q98TF8
GenBank Nucleotide #	NM_204141.1
NCBI Official Full Name	60S ribosomal protein L22
NCBI Official Synonym Full Names	ribosomal protein L22
NCBI Official Symbol	RPL22
UniProt Protein Name	60S ribosomal protein L22
Protein Family	50S ribosomal protein
UniProt Gene Name	RPL22
NCBI Protein Information	60S ribosomal protein L22
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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