

# 60S ribosomal protein L5-2 (RPL5B), Recombinant Protein

Cat RP12620

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Oryza sativa subsp. japonica (Rice)

## Full Product Name

Recombinant Oryza sativa subsp. japonica 60S ribosomal protein L5-2 (RPL5B)

## Product Gene Name

RPL5B recombinant protein

## Product Synonym Gene Name

RPL5B

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MSLQGGFVKT QKTHAYFKRF QVKFKRRRQK KTDYRARIRL TNQDKNKYNT PKYRFVTNKD ITAQIVYATI  
AGDIVMAAAY SHELPRYGLE VGLTNYAAAY CTGLLLARRV LTLRGLDQEY EGNVEATGED YYVEPADERR  
PFRALLDVGL IRTTTGNRVF GALKGALDGG LDIPHSDKRF AGFKKDEKQL DSDIHRKYIY GGHVADYMRS  
MAEEEEPEKFQ AHFSEYLKKG IDADGMESLY KKVHAAIRAD PTMAKSTKKE PATHKRYNLK KLTYEQRKAS  
LVERLNALNS SAGADDDDEE EDDE

## Sequence Positions

1-304, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

34,737 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

60S ribosomal protein

## NCBI Accession #

XP\_015614983.1

## NCBI GI #

1002231977

## NCBI GenBank Nucleotide #

XM\_015759497.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat RP12620

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg  
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-  
9271934 Cell)

## NCBI Official Full Name

60S ribosomal protein L5-1

## NCBI Official Symbol

LOC9271934

## NCBI Official Synonym Symbols

RPL5B

## NCBI Protein Information

60S ribosomal protein L5-1

## UniProt Gene Name

RPL5B

## UniProt Protein Name

60S ribosomal protein L5-2

## UniProt Primary Accession #

Q8L4L4

## UniProt Secondary Accession #

Q5N8N3; B7SDE4

## UniProt Related Accession #

Q8L4L4

## UniProt Comments

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.

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