# 60S ribosomal protein L5 (RPL5), Recombinant Protein

CD BioSciences
Plant Protein

*Cat* *RP20249*

*Size* *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

## Species
Cucumis sativus (Cucumber)

## Full Product Name
Recombinant Cucumis sativus 60S ribosomal protein L5 (RPL5)

## Product Gene Name
RPL5 recombinant protein

## Product Synonym Gene Name
RPL5

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

## Sequence
MAFAKAQKTK AYFKRYQVKF KRRREGKTDY RARIRLINQD KNKYNTPKYR FVVRTSNKDI TAQIISASIA GDLVLASAYS HELPQYGLEV GLTNYAAAYC TGLLLARRVL KMLEMDAEYE GNVEATGEDY SVEPADTRRP FRALLDVGLI RTTTGNRVFG ALKGALDGGL DIPHSDKRFA GYAKNGQQLD VEVHRKYIFG GHVAAYMRTL MEDEPEKYQS HFSEYIKKGI EADELEGLYK KVHAAIRANP IAKKSDKPQP KAHKRYNLKK LTYDERKARL VERLNALNSA ADGDDDDDED DE

## Sequence Positions
1-302, 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
34,329 Da

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

## Protein Family
60S ribosomal protein

## NCBI Accession #
NP_001267659.1

## NCBI GI #
525507242

## NCBI GenBank Nucleotide #
NM_001280730.1

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## NCBI GeneID
101216379

## NCBI Official Full Name
60S ribosomal protein L5

## NCBI Official Symbol
RPL5

## NCBI Protein Information
60S ribosomal protein L5

## UniProt Gene Name
RPL5

## UniProt Protein Name
60S ribosomal protein L5

## UniProt Primary Accession #
Q6UNT2

## UniProt Related Accession #
Q6UNT2

## 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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