



# Recombinant Human 60S ribosomal protein L14 (RPL14)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-EP020142HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P50914   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | VFRRFVEVG RVAYVSFGPH AGKLVAIVDV IDQNRALVDG PCTQVRRQAM PFKCMQLTDF ILKFPNSAHQ KYVRQAWQKA DINTKWAATR WAKKIEARER KAKMTDFDRF KVMKAKKMRN RIIKNEVKKL QKAALLKASP KKAPGTKGTA AAAAAAAAAK VPAKKITAAS KKAPAQKVPA QKATGQKAAP APKAQKGQKA PAQKAPAPKA SGKKA  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | RPL14  |
| <b>Protein Names</b>     | Recommended name: 60S ribosomal protein L14 Alternative name(s): CAG-ISL 7   |
| <b>Expression Region</b> | 2-215  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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 L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.