Recombinant Human 60S ribosomal protein L10 (RPL10)

Product Code	CSB-MP020106HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P27635
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	GRRPARCYR YCKNKPYPKS RFCRGVPDAK IRIFDLGRKK AKVDEFPLCG HMVSDEYEQL SSEALEAARI CANKYMVKSC GKDGFHIRVR LHPFHVIRIN KMLSCAGADR LQTGMRGAFG KPQGTVARVH IGQVIMSIRT KLQNKEHVIE ALRRAKFKFP GRQKIHISKK WGFTKFNADE FEDMVAEKRL IPDGCGVKYI PNRGPLDKWR ALHS
Source	Mammalian cell
Target Names	RPL10
Protein Names	Recommended name: 60S ribosomal protein L10 Alternative name(s): Laminin receptor homolog Protein QM Tumor suppressor QM
Expression Region	2-214
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 L10E family of ribosomal proteins. It is located in the cytoplasm. In vitro studies have shown that the chicken protein can bind to c-Jun and can repress c-Jun-mediated transcriptional activation, but these activities have not been demonstrated in vivo. This gene was initially identified as a candidate for a Wilms tumor suppressor gene, but later studies determined that this gene is not involved in the suppression of Wilms tumor. This gene has been referred to as laminin receptor homolog because a chimeric transcript consisting of sequence from this gene and sequence from the laminin receptor gene was isolated; however, it is not believed that this gene encodes a laminin receptor. Transcript variants utilizing alternative polyA signals exist. The variant with the longest 3 UTR overlaps the deoxyribonuclease I-like 1 gene on the opposite strand. This gene is co-transcribed with the small nucleolar RNA gene U70, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are

	multiple processed pseudogenes of this gene dispersed through the genome.
Reconstitution	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.