

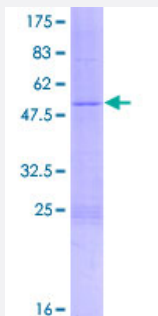
Full-Length

RPL10 (Human) Recombinant Protein (P02)

Catalog # H00006134-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RPL10 full-length ORF (NP_006004.1, 1 a.a. - 214 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGRRPARYRYCKNKPYPKSRFCRGVPDAKIRIFDLGRKKAKVDEFPLCGHMSDEYEQLSSEA LEAARICANKYMKSCGKDGFIHVRVLPFHVIRINKMLSCAGADRLQTGMRGAFGKPQGTVARV HIGQVIMSIRTKLQNKHEHVIEALRRAKFKFPGRQKIHISKKWGFTKFNADEFEDMVAEKRLIPDGCG VKYIPSRGPLDKWRALHS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPL10

Entrez GeneID [6134](#)

GeneBank Accession# [NM_006013.2](#)

Protein Accession# [NP_006004.1](#)

Gene Name RPL10

Gene Alias DKFZp686J1851, DXS648, DXS648E, FLJ23544, FLJ27072, NOV, QM

Gene Description ribosomal protein L10

Omim ID [312173](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 Hlike 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. [provided by RefSeq]

Other Designations 60S ribosomal protein L10|OTTHUMP00000063212|QM protein|Wilms tumor-related protein|Wilms' tumor suppressor|laminin receptor homolog|tumor suppressor QM

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)