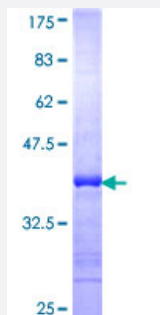


RPS3 (Human) Recombinant Protein (Q01)

Catalog # H00006188-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human RPS3 partial ORF (NP_000996, 144 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GQRAKSMKFVDGLMIHSGDPVNYYVDTA VRHVLRRQGV LGIKVKIMLPWDPTGKIGPKKPLPDHV SIVEPKDEILPTTPISEQKGGKPEPPAMPQPVPTA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — RPS3

Entrez GeneID [6188](#)

GeneBank Accession# [NM_001005](#)

Protein Accession# [NP_000996](#)

Gene Name RPS3

Gene Alias FLJ26283, FLJ27450, MGC87870

Gene Description ribosomal protein S3

Omim ID [600454](#)

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 40 S subunit, where it forms part of the domain where translation is initiated. The protein belongs to the S3P family of ribosomal proteins. Studies of the mouse and rat proteins have demonstrated that the protein has an extraribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. The protein appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. This gene is co-transcribed with the small nucleolar RNA genes U15A and U15B, which are located in its first and fifth introns, respectively. 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 40S ribosomal protein S3|IMR-90 ribosomal protein S3

Pathway

- [Ribosome](#)