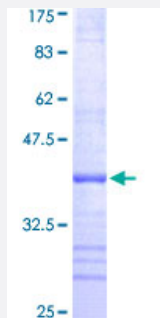


# RPS10 (Human) Recombinant Protein (Q01)

Catalog # H00006204-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human RPS10 partial ORF ( NP_001005, 66 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	HFYWYLTNEGIQYLRDYLHLPPEIVPATLRRSRPETGRPRPKGLEGEPARLTRGEADRDTYRRSA VPPGADKKAEAGAGSATEFQFRGGFGRGRGQPPQ
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Interspecies Antigen Sequence</b>	Mouse (98); Rat (98)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — RPS10

Entrez GeneID [6204](#)

GeneBank Accession# [NM\\_001014](#)

Protein Accession# [NP\\_001005](#)

Gene Name RPS10

Gene Alias MGC88819

Gene Description ribosomal protein S10

Omim ID [603632](#)

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. The protein belongs to the S10E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. 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 S10|OTTHUMP00000016229

## Pathway

- [Ribosome](#)