

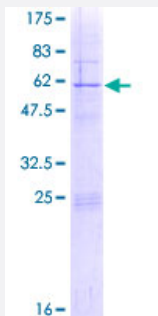
Full-Length

# RPS4Y1 (Human) Recombinant Protein (P01)

Catalog # H00006192-P01

Size 10 ug, 25 ug

## Applications



## Specification

### Product Description

Human RPS4Y1 full-length ORF ( NP\_000999.1, 1 a.a. - 263 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MARGPKKHLKRVAAPKHWMLDKLTGVFAPRPSTGPHKLRECLPLVFLRNRLKYALTGDEVKKIC  
MQRFIKIDGKVRVDVTYPAGFMDVISIEKTGEHFRLVYDTKGRFAVHRITVEEAKYKLCKVRKITYGV  
KGIPHLVTHDARTIRYPDPVIKVNDTVQIDLGTGKIINFIFDGTGNLCMVIGGANLGRVGVITNRERHPG  
SFDVVHVKDANGNSFATRLSNIFVIGNGNKPWISLPRGKGIRLTVAEERDKRLATKQSSG

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

55.9

### 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 — RPS4Y1

Entrez GeneID [6192](#)

GeneBank Accession# [NM\\_001008.3](#)

Protein Accession# [NP\\_000999.1](#)

Gene Name RPS4Y1

Gene Alias MGC119100, MGC5070, RPS4Y

Gene Description ribosomal protein S4, Y-linked 1

Omim ID [470000](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Cytoplasmic ribosomes, 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 ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, X-linked (RPS4X). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. 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 S4, Y|ribosomal protein S4Y

## Pathway

- [Ribosome](#)