

## Human 40S ribosomal protein S3a (RPS3A) ELISA Kit | RPS3A elisa kit

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CATALOG #  
**AAA245648**

REACTIVITY  
**Human**

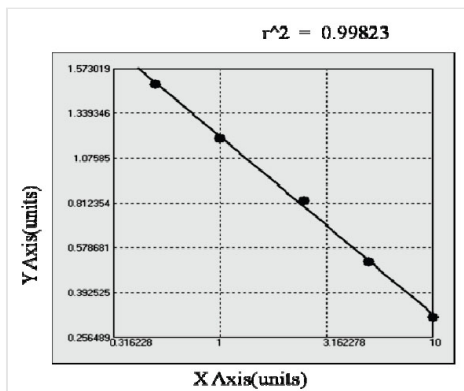
### PRODUCT SYNONYMS

40S ribosomal protein S3a (RPS3A); Human 40S ribosomal protein S3a (RPS3A) ELISA Kit; RPS3A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 0.5-10ng/mL                                                                                                                                                                              |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                 |
| Intended Uses           | This RPS3A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPS3A. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for RPS3A elisa kit

**Principle of the assay:** RPS3A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RPS3A antibody and an RPS3A-HRP conjugate. The assay sample and buffer are incubated together with RPS3A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RPS3A concentration since RPS3A from samples and RPS3A-HRP conjugate compete for the anti-RPS3A antibody binding site. Since the number of sites is limited, as more sites are occupied by RPS3A from the sample, fewer sites are left to bind RPS3A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPS3A concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| NCBI GI #                        | 390608657                                                                 |
| NCBI GeneID                      | 6189                                                                      |
| NCBI Accession #                 | NP_001254628.1                                                            |
| NCBI GenBank Nucleotide #        | NM_001267699.1                                                            |
| Molecular Weight                 | 29,945 Da                                                                 |
| NCBI Official Full Name          | 40S ribosomal protein S3a isoform 2                                       |
| NCBI Official Synonym Full Names | ribosomal protein S3A                                                     |
| NCBI Official Symbol             | RPS3A                                                                     |
| NCBI Official Synonym Symbols    | S3A; FTE1; MFTL                                                           |
| NCBI Protein Information         | 40S ribosomal protein S3a; fte-1; v-fos transformation effector protein 1 |
| UniProt Protein Name             | 40S ribosomal protein S3a                                                 |
| UniProt Gene Name                | <b>RPS3A</b>                                                              |
| UniProt Synonym Gene Names       | FTE1; MFTL; Fte-1                                                         |
| UniProt Entry Name               | RS3A_HUMAN                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.