

# Recombinant Human Ribosomal Protein S3A, His-tagged

**Cat. No.** RPS3A-6830H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human RPS3A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-264aa                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | RPS3A belongs to the S3AE family of ribosomal proteins. 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 protein is a ribosomal protein that is a component of the 40S subunit and is located in the cytoplasm. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT.                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 32.5 kDa (288aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMAVGKN KRLTKGGKKG AKKKVVD PFS<br>KKDWYDVKAP AMFNIRNIGK TLVTRTQGTK IASDGLKGRV FEVSLADLQN<br>DEVAFRKFKL ITEDVQGKNC LTNFHGMDLT RDKMCSMVKK WQTMIEAHVD<br>VKTTDGYLLR LFCVGFTKKR NNQIRKTSYA QHQQVRQIRK KMMEIMTREV<br>QTNDLKEVVN KLIPDSIGKD IEKACQSIYP LHDVFVRKVK MLKKPKFELG                                                                                                    |

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KLMELHGEES SSGKATGDET GAKVERADGY EPPVQESV

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [RPS3A ribosomal protein S3A \[ Homo sapiens \]](#)

**Official Symbol** RPS3A

**Synonyms** RPS3A; ribosomal protein S3A; S3A; FTE1; MFTL; 40S ribosomal protein S3a; fte-1; v-fos transformation effector protein 1; Fte 1; RS3A\_HUMAN; v fos transformation effector protein; V-fos transformation effector protein

**Gene ID** [6189](#)

**mRNA Refseq** [NM\\_001006](#)

**Protein Refseq** [NP\\_000997](#)

**MIM** [180478](#)

**UniProt ID** [P61247](#)

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 4q31.2-q31.3                                                                                                                                                                                                                                                                                                 |
| <b>Pathway</b>             | Cap-dependent Translation Initiation, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem |
| <b>Function</b>            | RNA binding; protein binding; structural constituent of ribosome                                                                                                                                                                                                                                             |

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