

Recombinant Human Ribosomal Protein S3A, His-tagged

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

SPECIFICATION

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

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KLMEHGEES 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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Chromosome Location	4q31.2-q31.3
Pathway	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
Function	RNA binding; protein binding; structural constituent of ribosome

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