

**RPS3A, 1-264aa, Human, His tag, E.coli**

**Cat.NO.: TP03796**

3th Edition

**Synonyms:**40S ribosomal protein S3a, FTE1, MFTL, S3A

**Description:**40S ribosomal protein S3a, also known as 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 Weight:**32.5 kDa (288aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMAVGKNKRLTKGGKKGAKKKVVDPFSSKDWYDVKAPAMFNIRNIGKTLVT  
RTQGTKIASDGLKGRVFEVSLADLQNDEVAFRKFKLITDVQGNCLTNFHGMDLTRDKMCSMVKKWQTMIEAHV  
DVKTDDGYLLRLFCVGFTKRNNQIRKTSYAQQQVQRIRKKMMEIMTREVQTNDLKEVVNKLIPDSIGKDIEKACQ  
SIYPLHDVFRKVKMLKPKFELGKLMELHGEGSSSGKATGDETGAKVERADGYEPPVQESV

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.