

**RPS2, 1-293aa, Human, His tag, E.coli**

**Cat.NO.: TP03792**

3th Edition

**Synonyms:**40S ribosomal protein S2, Ribosomal protein S2, LLREP3, S2

**Description:**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. RPS2 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S5P family of ribosomal proteins. It is located in the cytoplasm. This gene shares sequence similarity with mouse LLRep3. It is co-transcribed with the small nucleolar RNA gene U64, which is located in its third intron. Recombinant human RPS2 protein, fused to His-tag at N-terminus, was expressed in E.coli .

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**Molecular Weight:**33.7 kDa (316aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMADDAGAAGGPGGPGMGNRGGFRGGFGSGIRGRGRGRGRGRGRG  
RGARGGKAEDKEWMPVTKLGRVLKDMKIKSLEEIYLFSLPIKESEIIDFFLGASLKDEVLKIMPVQKQTRAGQRTRFK  
AFVAIGDYNGHVGLGVKCSKEVATAIRGAILAKLSIVPVRRGYWGNKIGKPHTVPCKVTGRCGSVLRLIPAPRGTG  
IVSAPVPKLLMMAGIDDCYTSARGCTATLGNFAKATFDAISKTYSLTPDLWKETVFTKSPYQEFTDHLVKTHTRV  
SVQRTQAPAVATT

**Purity:**> 95% by HPLC

**Concentration:**1.0 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.