

## 32-4705: Recombinant Human Ribosomal Protein S18

**Alternative Name :** Ribosomal Protein S18, D6S218E, 40S Ribosomal Protein S18, HKE3, KE-3, KE3, S18, Rhabdomyosarcoma Antigen MU-RMS-40.21, Ke-3, Ke3.

### Description

Source : Escherichia Coli. RPS18 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 175 amino acids (1-152 a.a) and having a molecular mass of 20.1kDa. RPS18 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 40S ribosomal protein S18 (RPS18) is a member of the ribosomal protein S13P family. RPS18 is located in the cytoplasm. Ribosomes, the organelles which catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Jointly these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPS18 encodes a ribosomal protein which is a component of the 40S subunit. RPS18 is a recognized binding partner of Cofilin and has been proposed to be a novel substrate for CaMKII. Among the diseases associated with RPS18 are bowen-conradi syndrome, and pasteurellosis.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** RPS18 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSMSLVIPE KFQHILRVLN TNIDGRRKIA FAITAIKGVG  
RRYAHVVLRK ADIDLTKRAG ELTEDEVERV ITIMQNPRQY KIPDWFLNRQ KDVKDGKYSQ  
VLANGLDNKL REDLERLKKI RAHRGLRHFV GLRVRGQHTK TTGRRGRTVG VSKKK

