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**RPS19, 1-145aa, Human, His tag, E.coli****Cat.NO.: TP03791**

3th Edition

**Synonyms:**40S ribosomal protein S19, ribosomal protein S19, DBA, DBA1, S19**Description:**RPS19 belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. Recombinant human RPS19 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT**Molecular Weight:**18.4kDa (168aa), confirmed by MALDI-TOF**Sequences:**MGSSHHHHHSSGLVPRGSHMGSMGVTVKDVNQQEFVRLAAFLKKSGKLVPEWVDTVKLAKHKELAPYDEN  
WFYTRAASTARHLYLRGGAGVGSMTKIYGGRQRNGVMPSHF SRGSKSVARRVLQALEGLKMVEKDQDGG RKL T  
PQGQRDLDR IAGQVAAANKKH**Purity:**> 95% by HPLC**Concentration:**0.25 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.