

**RPS7, 1-194aa, Human, His tag, E.coli**

**Cat.NO.: TP03799**

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3th Edition

**Synonyms:**40S ribosomal protein S7, DBA8, S7.

**Description:**RPS7 belongs to the S3P family of ribosomal proteins and is located in the cytoplasm. RPS7 may play a role in ribosomal stress, linking ribosome biogenesis to cell death or cell cycle arrest. Also, RPS7 interacts with MDM2 and is believed to negatively regulate the MDM2-mediated degradation of p53. Recombinant human RPS7 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 0.1M NaCl, 30% glycerol, 1mM DTT

**Molecular Weight:**24.7 kDa (218aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMFSSSAKIVKPNGEKPDEFESGISQALLELEMNSDLKAQLRELNITAAKEIE  
VGGGRKAIIFVVPVQLKSFQIKVRLVRELEKKFSGKHVVVIAQRRILPKPTRKSRTKNKQKRPRSRTLTAVHDAILE  
DLVFPSEIVGKRIRVKLDGSRLIKVHLDKAQQNNVEHKVETFSGVYKCLTGKDVNFEFPEFQL

**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.