

**RPL7A, 1-266aa Human, His tag, E.coli**

**Cat.NO.: TP03779**

3th Edition

**Synonyms:**60S ribosomal protein L7a, L7A, SURF3, TRUP

**Description:**Cytoplasmic ribosomes, 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. RPL7A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L7AE family of ribosomal proteins. It can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor, and inhibit their ability to transactivate by preventing their binding to their DNA response elements. Recombinant human RPL7A protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**32.4kDa (289aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMKGGKAKGKKVAPAPAVVKKQEAKKVVNPLFEKRPKNFGIGQDIQPKRDL  
TRFVKWPRYIRLQRQRAILYKRLKVPPAINQFTQALDRQTATQLLKLAKHYRPEKQEKQRLARAEKKAAGKGDV  
PTKRPPVLRAGVNTVTTLVENKKAQLVVIAHDVDPIELVVFLPALCRKMGVPYCIKGGKARLGRVHRKTCTTVAFTQ  
VNSEDKGALAKLVEAIRTNYNDRYDEIRRHGGNVLGPKSVARIAKLEKAKAKELATKLG

**Purity:**> 95% by HPLC

**Concentration:**1 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.