

**RPL12, 1-165aa, Human, His tag, E.coli**

**Cat.NO.: TP03768**

3th Edition

**Synonyms:**Ribosomal protein L12, L12

**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. RPL12 is a ribosomal protein that is a component of the 60S subunit. This protein belongs to the L11P family of ribosomal proteins. It is located in the cytoplasm. RPL12 binds directly to the 26S rRNA. Recombinant human RPL12 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 0.15M NaCl,20% glycerol, 1mM DTT

**Molecular Weight:**20.2 kDa (188aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMPPKFDPNKVVVYLRCTGGGEVGATSALAPKIGPLGLSPKKVGDIAKATGD  
WKGLRITVKLTIQNRQAQIEVVPASALIKALKEPPRDRKKQKNIKHSGNITFDEIVNIARQMRHRSLARELSGTIKEIL  
GTAQSVGCNVDGRHPHDIIDDINSGAVECPAS

**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.