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### Recombinant human RPL7A protein

Catalog Number: ATGP2886

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-266aa

#### **UniProt No.**

P62424

#### **NCBI Accession No.**

NP 000963

#### **Alternative Names**

60S ribosomal protein L7a, 60S ribosomal protein L7a, L7A, SuRF3, TRuP

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

32.4 kDa (289aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



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## **Recombinant human RPL7A protein**

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### **Amino acid Sequence**

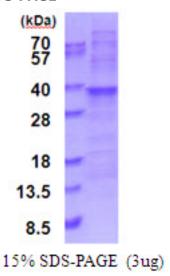
MGSSHHHHHH SSGLVPRGSH MGSMPKGKKA KGKKVAPAPA VVKKQEAKKV VNPLFEKRPK NFGIGQDIQP KRDLTRFVKW PRYIRLQRQR AILYKRLKVP PAINQFTQAL DRQTATQLLK LAHKYRPETK QEKKQRLLAR AEKKAAGKGD VPTKRPPVLR AGVNTVTTLV ENKKAQLVVI AHDVDPIELV VFLPALCRKM GVPYCIIKGK ARLGRLVHRK TCTTVAFTQV NSEDKGALAK LVEAIRTNYN DRYDEIRRHW GGNVLGPKSV ARIAKLEKAK AKELATKLG

#### **General References**

Zheng, S.E., et al. (2009) J. Cancer Res. Clin. Oncol. 135 (8), 1025-1031

### **DATA**





3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

