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## Recombinant human RPL11 protein

Catalog Number: ATGP2220

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-178aa

#### **UniProt No.**

P62913

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

NP 000966

#### **Alternative Names**

Ribosomal protein L11, DBA7, GIG34, L11

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

22.6 kDa (201aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 2mM EDTA, 250mM Imidazole

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

#### **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**

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. RPL11 is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with the 5S rRNA. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. As is typical



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for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Recombinant human RPL11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

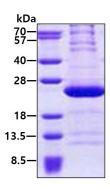
<MGSSHHHHHH SSGLVPRGSH MGS>MAQDQGE KENPMRELRI RKLCLNICVG ESGDRLTRAA KVLEQLTGQT PVFSKARYTV RSFGIRRNEK IAVHCTVRGA KAEEILEKGL KVREYELRKN NFSDTGNFGF GIQEHIDLGI KYDPSIGIYG LDFYVVLGRP GFSIADKKRR TGCIGAKHRI SKEEAMRWFQ QKYDGIILPG K

#### **General References**

Mahata,B., et al. (2012) Oncogene 31 (25), 3060-3071 Dai,M.S, et al. (2012) J. Biol. Chem. 287 (21), 17120-17129

### **DATA**

#### **SDS-PAGE**



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

