



# Recombinant Protein Technical Manual

## Recombinant Human RPS7 Protein (His Tag)

RPES1660

### Product Data:

**Product SKU:** RPES1660

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P62081

### Protein Information:

**Molecular Mass:** 23.2 kDa

**AP Molecular Mass:** 23 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** 40S ribosomal protein S7;RPS7

## Immunogen Information:

**Sequence:** Met 1-Leu194

## Background:

40S ribosomal protein S7(RPS7) belongs to the S7E family of ribosomal proteins. It is phosphorylated by NEK6 during post-translational modification. RPS7 is located in the cytoplasm, binds IPO9 with high affinity. it also can interacts with NEK6. As is required for rRNA maturation and typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. The unnormal expression of RPS7 may cause Diamond-Blackfan anemia 8.