

## Product datasheet for **TP720148XL**

### **RPS19 (NM\_001022) Human Recombinant Protein**

#### **Product data:**

|  |   |
|--|---|
| <b>Product Type:</b>                         | Recombinant Proteins  |
| <b>Description:</b>                          | Recombinant protein of human ribosomal protein S19 (RPS19)  |
| <b>Species:</b>                              | Human   |
| <b>Expression Host:</b>                      | E. coli   |
| <b>Expression cDNA Clone or AA Sequence:</b> | Pro2-His145   |
| <b>Tag:</b>                                  | Tag Free  |
| <b>Predicted MW:</b>                         | 16.1 kDa  |
| <b>Concentration:</b>                        | lot specific  |
| <b>Purity:</b>                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl   |
| <b>Endotoxin:</b>                            | < 0.1 EU per µg protein as determined by LAL test   |
| <b>Reconstitution Method:</b>                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Storage:</b>                              | Store at -80°C.   |
| <b>Stability:</b>                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| <b>RefSeq:</b>                               | <a href="#">NP_001013</a>   |
| <b>Locus ID:</b>                             | 6223  |
| <b>UniProt ID:</b>                           | <a href="#">P39019</a> , <a href="#">B0ZBD0</a>   |
| <b>Cytogenetics:</b>                         | 19q13.2   |
| <b>Synonyms:</b>                             | DBA; DBA1; eS19; LOH19CR1; S19  |



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**Summary:**

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. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Ribosome

**Product images:**