

## Recombinant Human RPUSD4 protein, His-tagged

**Cat. No.** RPUSD4-3137H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RPUSD4 protein(101 - 377 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 101 - 377 aa                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                    |
| <b>AA Sequence</b>      | HQDKNLVVINKPYGLPVHGGPGVQLCITDVLPIAKMLHGHKAEPLHLCHRLDKETT<br>GVMVLAWDKDMAHQVQELFRTRQVVKKYWAITVHVPMPSAGVVDIPIVEKEAQQGQ<br>QQHHKMTLSPSYRMDDGKMVKVRRSRNAQVAVTQYQVLSSTLSSALVELQPITGIK<br>HQLRVHLSFGLDCPILGDHKYSDWNRLAPQKLSVGTLLKGLGLEQSKARYIPLHLHAR<br>QLILPALGSGKEELNLVCKLPRFFVHSLHRLRLEMPNEDQNENNEAKCLGAQ |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

**GENE INFORMATION**

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| <b>Gene Name</b>       | RPUSD4 RNA pseudouridylate synthase domain containing 4 [ Homo sapiens ] |
| <b>Official Symbol</b> | RPUSD4                                                                   |
| <b>Gene ID</b>         | 84881                                                                    |
| <b>mRNA Refseq</b>     | NM_032795.2                                                              |
| <b>Protein Refseq</b>  | NP_116184.2                                                              |
| <b>UniProt ID</b>      | Q96CM3                                                                   |

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