

# Recombinant Full Length Human PUS7 Protein, His tagged

**Cat. No.** PUS7-20HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PUS7 Protein, Human (sf9, His) is the recombinant human-derived PUS7, expressed by sf9 insect cells, with His tag.                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 2-661 aa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Enables enzyme binding activity and tRNA pseudouridine(13) synthase activity. Involved in several processes, including pseudouridine synthesis; regulation of hematopoietic stem cell differentiation; and regulation of mesoderm development. Is active in nucleus. Implicated in intellectual developmental disorder with abnormal behavior, microcephaly, and short stature. |
| <b>Form</b>             | Liquid. Supplied as a 0.22 µm filtered solution of 50 mM HEPES, pH 7.5, 200 mM NaCl, 20% glycerol, 1 mM DTT.                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | Approximately 78.1 kDa                                                                                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <1 EU/µg determined by LAL method.                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | Greater than 90% as determined by reducing SDS-PAGE                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Stored at -80 centigrade for 1 year from date of receipt. It is stable at -20 centigrade                                                                                                                                                                                                                                                                                        |

 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

for 3 months after opening. It is recommended to freeze aliquots at -80 centigrade for extended storage. Avoid repeated freeze-thaw cycles.

**Concentration** 1.87 mg/mL

**Shipping** Shipping with dry ice.

**Reconstitution** Please use rapid thawing with running water to thaw the protein

## GENE INFORMATION

**Gene Name** PUS7 pseudouridine synthase 7 [ Homo sapiens (human) ]

**Official Symbol** PUS7

**Synonyms** PUS7; pseudouridine synthase 7; IDDABS; pseudouridylate synthase 7 homolog; pseudouridylate synthase 7 (putative); EC 4.2.1.70

**Gene ID** 54517

**mRNA Refseq** NM\_019042

**Protein Refseq** NP\_061915

**MIM** 616261

**UniProt ID** Q96PZ0

 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