

# Recombinant Full Length Human PUS7 Protein, C-Flag-tagged

**Cat. No.** PUS7-771HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PUS7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Enables enzyme binding activity and pseudouridine synthase activity. Involved in several processes, including pseudouridine synthesis; regulation of hematopoietic stem cell differentiation; and regulation of mesoderm development. Located in nucleus.                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 74.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MEMTEMTGVSLKRGALVVEDNDSGVPVEETKKQKLSECSLTKGQDGLQNDFLSISE<br>DVPRPPDTVSTGKG GKNSEAQLEDEEEEEEDGLSECEEEEESESFADMMKHGLTE<br>ADVGITKFVSSHQGFSGILKERYSDFFVH EIGKDGRISHLNDLSIPVDEEDPSEDIFTV<br>LTAAEKQRLEELQLFKNKETSVAIEVIEDTKEKRTIIHQA IKSLFPGLETKTEDREGKK<br>YIVAYHAAGKKALANPRKHSWPKSRGSYCHFVLYKENKDTMDAINVLSKYL RVKPN<br>FSYMGTKDKRAITVQEIAVLKITAQRLAHLNKCLMNFKLGNFSYQKNPLKLGE<br>LQGN HFTVVLR NITGTDDQVQQAMNSLKEIGFINYYGMQRFGTAVPTYQVGR<br>AILQNSW TEVMDLILKPRSGAEKGYLVK CREEWAKTKDPTAALRKLPVKRCVE<br>GQLLRGLSKY GMKNIVSAFGIIPRNNRLMYIHSYQSYVWNNMVSK RIEDYGLK<br>PVPGLVLKGATAT |

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YIEEDDVNNYSIHDVVMPLPGFDVIYPKHKIQEAYREMLTADNLDIDN MRHKIRDYSL  
 SGAYRKIIIRPQNVSWEVVAYDDPKIPLFNTDVDNLEGKTPPVFASEGKYRALKMDFS  
 LP  
 PSTYATMAIREVLKMDTSIKNQTQLNTTWLRTTRTRPLEQKLISEEDLAANDILDYKDD  
 DDKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>Gene Name</b>       | PUS7 pseudouridine synthase 7 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PUS7                                                   |
| <b>Synonyms</b>        | IDDABS                                                 |
| <b>Gene ID</b>         | 54517                                                  |
| <b>mRNA Refseq</b>     | NM_019042.5                                            |

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**Protein Refseq** NP\_061915.2

**MIM** 616261

**UniProt ID** Q96PZ0



Coomassie blue staining of purified PUS7 protein.

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