

## Recombinant Human PUS1 Protein, GST-tagged

**Cat. No.** PUS1-2073H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PUS1 Protein(128-427 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 128-427 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, pH8.0). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.                                                   |
| <b>AASequence</b>       | ENHGEDMRKMSFQRCARTDKGVSAAGQVVSLKVWLIDDILEKINSHLPSHIRILGLK<br>RVTGGFNSKNRCDARTYCYLLPTFAFAHKDRDVQDETYRLSAETLQQVNRLACYK<br>GTHNFHNFTSQKGPQDPSACRYILEMYCEEPFVREGLEFAVIRVKGQSFMHMQIRK<br>MVGLVVAIVKGYAPESVLERSWGTEKVDVVPKAPGLGLVLERVHFEKYNQRFNDGL<br>HEPLDWAQEEGKVAAFKEEHIYPTIIGTERDERSMAQWLSTLPIHNFSATALTAGGT<br>GAKVPSPLEGSEGDGDTD |
| <b>Purity</b>           | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                  |

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**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

**GENE INFORMATION**

**Gene Name** [PUS1 pseudouridylate synthase 1 \[ Homo sapiens \]](#)

**Official Symbol** [PUS1](#)

**Synonyms**

PUS1; pseudouridylate synthase 1; tRNA pseudouridine synthase A, mitochondrial; tRNA uridine isomerase I; tRNA-uridine isomerase I; tRNA pseudouridylate synthase I; tRNA pseudouridine(38-40) synthase; mitochondrial tRNA pseudouridine synthase A; MLASA1; MGC11268;

**Gene ID** [80324](#)

**mRNA Refseq** [NM\\_001002019](#)

**Protein Refseq** [NP\\_001002019](#)

**MIM** [608109](#)

**UniProt ID** [Q9Y606](#)

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**SDS-PAGE**

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