

# Recombinant Human PPP1R7 Protein, His&GST-tagged

**Cat. No.** PPP1R7-1972H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PPP1R7 Protein (Leu65-Phe360) with N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Leu65-Phe360                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a protein subunit that regulates the activity of the serine/threonine phosphatase, protein phosphatase-1. The encoded protein is required for completion of the mitotic cycle and for targeting protein phosphatase-1 to mitotic kinetochores. Alternate splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 64.4 kDa<br>Accurate Molecular Mass: 64 kDa                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for                                                                                                                                                |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

PPP1R7 protein phosphatase 1, regulatory subunit 7 [ Homo sapiens (human) ]

**Official Symbol**

PPP1R7

**Synonyms**

PPP1R7; protein phosphatase 1, regulatory subunit 7; protein phosphatase 1, regulatory (inhibitor) subunit 7; protein phosphatase 1 regulatory subunit 7; sds22; protein phosphatase 1 regulatory subunit 22; protein phosphatase-1 regulatory subunit 7 beta1; protein phosphatase-1 regulatory subunit 7 beta2; protein phosphatase-1 regulatory subunit 7 alpha2; SDS22;

**Gene ID**

5510

**mRNA Refseq**

NM\_002712

**Protein Refseq**

NP\_002703

**MIM**

602877

**UniProt ID**

Q15435

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