

# Recombinant Human PPP1R7 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** PPP1R7-184H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PPP1R7 MS Standard C13 and N15-labeled recombinant protein (NP_002703) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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. [provided by RefSeq, Sep 2013]                                                                      |
| <b>Molecular Mass</b>   | 41.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAAERGAGQQQSQEMMEVDRRVESEESGDEEGKKHSSGIVADLSEQSLKDGEER<br>GEEDPEEEHELPVDMETINLDRDAEDVDLNHYRIGKIEGFEVLKKVKTLCRLQNLIKCI<br>ENLEELQSLRELDLYDNQIKKIKENLEALTELEILDISFNLLRNIEGVDKLTRKKLFLVNN<br>KISKIENLSNLHQLQMLELGSNRIRAIENIDTLTNLESLFLGKNKITKLQNLDALTNLTVL<br>SMQSNRLTKIEGLQNLVNLRELYLSHNGIEVIEGLENNNKLTMLDIASNRIKKIENISHL<br>TELQEFWMNDNLLESWSDLDELKGARSLETVYLERNPLQKDPQYRRKVMLALPSV<br>RQIDATFVRFTTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                      |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

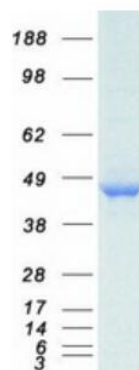
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PPP1R7 protein phosphatase 1, regulatory subunit 7 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | PPP1R7                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 5510                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_002712                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_002703                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>             | 602877                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | Q15435                                                                                                                                                                                                                                                                                                                                                                      |

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**SDS-PAGE**

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