

## Recombinant Human PPIH, T7 -tagged

Cat. No. PPIH-30685TH    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant full length protein, human PPIH with a T7 tag at the N-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description      | The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is a specific component of the complex that includes pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. This protein has been shown to possess PPIase activity and may act as a protein chaperone that mediates the interactions between different proteins inside the spliceosome. |
| Conjugation      | T7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage buffer   | Preservative: 0.002% Sodium Azide<br>Constituents: 10mM Tris, 0.1% Triton X-100, pH 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage          | Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|                              |                                                                                                                                                                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequence Similarities</b> | Belongs to the cyclophilin-type PPIase family. PPIase H subfamily. Contains 1 PPIase cyclophilin-type domain.                                                                                                                                                   |
| <b>Full Length</b>           | Full L.                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b>      |                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>             | PPIH peptidylprolyl isomerase H (cyclophilin H) [ Homo sapiens ]                                                                                                                                                                                                |
| <b>Official Symbol</b>       | PPIH                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>              | PPIH; peptidylprolyl isomerase H (cyclophilin H); peptidyl prolyl isomerase H (cyclophilin H); peptidyl-prolyl cis-trans isomerase H; cyclophilin H; CYP 20; CYPH; MGC5016; peptidyl prolyl cis trans isomerase H; PPIase h; rotamase H; small nuclear ribonucl |
| <b>Gene ID</b>               | 10465                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>           | NM_006347                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>        | NP_006338                                                                                                                                                                                                                                                       |
| <b>MIM</b>                   | 606095                                                                                                                                                                                                                                                          |
| <b>Uniprot ID</b>            | O43447                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b>   | 1p34.1                                                                                                                                                                                                                                                          |
| <b>Pathway</b>               | Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, U4/U6.U5 tri-snRNP, organism-specific biosystem;                                                                                                                       |

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**Function**

cyclosporin A binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;  
protein binding; ribonucleoprotein complex binding;

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