



# Recombinant Protein Technical Manual

## Recombinant Human PPIH Protein (His Tag)

RPES1642

### Product Data:

**Product SKU:** RPES1642

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** O43447

### Protein Information:

**Molecular Mass:** 21.4 kDa

**AP Molecular Mass:** 18 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Peptidyl-Prolyl Cis-Trans Isomerase H; PPIase H; Rotamase H; Small Nuclear Ribonucleoprotein Particle-Specific Cyclophilin H; CypH; U-snRNP-Associated Cyclophilin SnuCyp-20; USA-CYP; PPIH; CYP20; CYPH

## Immunogen Information:

**Sequence:** Met 1-Met 177

## Background:

Peptidyl-Prolyl Cis-Trans Isomerase H (PPIH) belongs to the Cyclophilin-type PPIase family that accelerate the folding of proteins. PPIases can catalyze the cis-trans isomerization of Proline Imidic peptide bonds in oligopeptides. PPIH participates in pre-mRNA splicing. It 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. In addition, PPIH has PPIase activity and may play a role as a chaperone mediating the interactions between different proteins inside the spliceosome.