

---

**Product Data Sheet**


---

Product Name: PPIH Human  
 Cat. No.: GP21533  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidylprolyl Isomerase H; PPIH; CYPH; CYP20; SnuCyp-20; Peptidylprolyl cis-trans isomerase H; PPIase H; Rotamase H; U-snRNP-associated cyclophilin SnuCyp-20; USA-CYP; Small nuclear ribonucleoprotein particle-specific cyclophilin H; peptidylprolyl isomerase H; CYP-20; MGC5016; Cyclophilin-H.		
Amino Acid Sequence	MAVANSSPVN PVVFFDVSIG GQEVGRMKIE LFADVVPKTA ENFRQFCTGEFRKDGVPIDY KGSTFHRVIK DFMIQGGDFV NGDGTGVASI YRGPFADENF KLRHSAPGLL SMANSGPSTN GCQFFITCSK CDWLDGKHVV FGKIIDGLLV MRKIENVPTG PNNKPKLPVV ISQCGEM.		
Formulation	1 mg/ml solution containing 1x PBS pH-7.4 10% glycerol.		

**Introduction**

PPIH is a part of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and increase protein folding. PPIH enzyme is a precise factor of the complex that comprises pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. PPIH possess PPIase activity and acts as a protein chaperone that mediates the interactions between different proteins inside the spliceosome.

**Biological Activity**

Specific activity is > 220 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.

### Background

PPIH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 177 amino acids (1-177) and having a molecular mass of 19.2 kDa. PPIH is purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**