

PPIH Protein, Human (His)

Cat. No.:	HY-P71029
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
Species:	Human
Source:	E. coli
Accession:	O43447 (M1-M177)
Gene ID:	10465
Molecular Weight:	Approximately 24.0 kDa

PROPERTIES

AA Sequence	<div> <div>MAVANSSSPVN</div> <div>ENFRQFCTGE</div> <div>NGDGTGVASI</div> <div>GCQFFITCSK</div> <div>PNNKPKLPVV</div> </div> <div> <div>PVVFFDVSIG</div> <div>FRKDGVPIGY</div> <div>YRGPFADENF</div> <div>CDWLDGKHVV</div> <div>ISQCGEM</div> </div> <div> <div>GQEVGRMKIE</div> <div>KGSTFHRVIK</div> <div>KLRHSAPGLL</div> <div>FGKIIDGLLV</div> </div> <div> <div>LFADVVPKTA</div> <div>DFMIQGGDFV</div> <div>SMANSGPSTN</div> <div>MRKIENVPTG</div> </div>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>PPIH Protein functions as a peptidyl-prolyl cis-trans isomerase (PPIase), facilitating the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and potentially aiding in protein folding. Beyond its role in protein folding, PPIH actively participates in pre-mRNA splicing, suggesting involvement in the intricate process of spliceosome assembly. Specifically, it may contribute to the formation of the U4/U5/U6 tri-snRNP complex, a fundamental component of the spliceosome. This multifunctional role implies that PPIH may act as a chaperone, highlighting its versatile involvement in both protein folding and the regulation of essential cellular processes related to mRNA splicing. Further exploration is</p>
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warranted to elucidate the specific molecular mechanisms and cellular contexts through which PPIH exerts its functions in protein homeostasis and pre-mRNA splicing.

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

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