
Product Data Sheet

Product Name: PPIH Human, His
 Cat. No.: GP21534
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Peptidylprolyl Isomerase H; PPIH; CYPH; CYP20; SnuCyp-20; Peptidyl-prolyl 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	MKHHHHHHASAVANSSPVNP VVFFDVSIGG QEVGRMKIEL FADVVPKTAE NFRQFCTGEF RKDGVPIGYK GSTFHRVIKD FMIQGGDFVN GDGTGVASIY RGPFADENFK LRHSAPGLLS MANS GPSTNG CQFFITCSKC DWLDGKHVVF GKIIDGLLVM RKIENVPTGP N NKPKLPVVI SQCGEM.		
Solubility	It is recommended to add 200 μ l deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. PPIH is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	Filtered (0.4 μ m) and lyophilized from 0.5 mg/ml in phosphate buffered saline pH 7.4.		

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.

Stability

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

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Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

PPIH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 2-177) containing 186 amino acids and including a 10 a.a N-terminal His tag. The total molecular mass is 20.3kDa (calculated).

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