

PPIH Human

Description: 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.

Catalog #: ENPS-386

For research use only.

Synonyms: Oeptidylprolyl Isomerase H, PPIH, CYPH, CYP20, SnuCyp-20, Peptidyl-prolyl cis-trans isomerase H, PPlase H, Rotamase H, U-snRNP-associated cyclophilin SnuCyp-20, USA-CYP, Small nuclear ribonucleoprotein particle-specific cyclophilin H, peptidylprolyl isomerase

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MAVANSSPVN PVVFFDVSIG GQEVGRMKIE LFADVVPKTA
ENFRQFCTGEFRKDGVPYIGY KGSTFHRVIK DFMIQGGDFV NGDGTGVASI YRGPADENF
KLRHSAPGLL SMANSGPSTN GCQFFITCSK CDWLDGKHVV FGKIIDGLLV MRKIENVPTG
PNNKPKLPVV ISQCGEM.

Purity: Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

1 mg/ml solution containing 1x PBS pH-7.4 10% glycerol.

Stability:

PPIH Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PPIH is a part of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases 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 PPlase 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.

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