



Product Datasheet

Product Name	Cyclophilin-H Human Recombinant
Cata No	CB501388
Source	<i>Escherichia Coli.</i>
Synonyms	Oeptidylprolyl 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.

Description

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.

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.

Physical Appearance

Sterile filtered colorless solution.

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.

Sequence

MAVANSSPVN PVVFFDVSIG GQEVGRMKIE
LFADVVPKTA ENFRQFCTGEFRKDGVPICY
KGSTFHRVIK DFMIQGGDFV NGDGTGVASI
YRGPADENF KLRHSAPGLL SMANSGPSTN
GCQFFITCSK CDWLDGKHVV FGKIIDGLLV
MRKIENVPTG PNNKPKLPVV ISQCGEM.