

32-2250: Cyclophilin H, his Recombinant Protein

Alternative Name :

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

Description

Source : Escherichia Coli. 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). 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.

Product Info

Amount : 10 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : Filtered (0.4µm) and lyophilized from 0.5 mg/ml in phosphate buffered saline pH 7.4.

Storage condition : 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.

Amino Acid : MKHHHHHHASAVANSSPVNP VVFFDVSIQG QEVGRMKIEL FADVVPKTAE NFRQFCTGEF RKDGVPIGYK GSTFHRVIKD FMIQGGDFVN GDGTGVASIY RGPFADENFK LRHSAPGLLS MANS GPSTNG CQFFITCSKC DWLDGKHVVVFKIIDGLLVM RKIENVPTGP N NKPKLPVVI SQCGEM.

Application Note

It is recommended to add 200µl 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.

