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32-2250: Cyclophilin H, his Recombinant Protein

Alternative Name :	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

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 VVFFDVSIGG QEVGRMKIEL FADVVPKTAE NFRQFCTGEF RKDGVPIGYK GSTFHRVIKD FMIQGGDFVN GDGTGVASIY RGPFADENFK LRHSAPGLLS MANSGPSTNG CQFFITCSKC DWLDGKHVVF GKIIDGLLVM RKIENVPTGP NNKPKLPVVI 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.