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32-2249: Cyclophilin H 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

Description

Source : Escherichia Coli. 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. 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 :	20 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	1 mg/ml solution containing 1x PBS pH-7.4 10% glycerol.
Storage condition :	PPIH Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MAVANSSPVN PVVFFDVSIG GQEVGRMKIE LFADVVPKTA ENFRQFCTGEFRKDGVPIGY KGSTFHRVIK DFMIQGGDFV NGDGTGVASI YRGPFADENF KLRHSAPGLL SMANSGPSTN GCQFFITCSK CDWLDGKHVV FGKIIDGLLV MRKIENVPTG PNNKPKLPVV ISQCGEM.

Application Note

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.

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