Datasheet for ABIN1097379

PPIH Protein (AA 1-177) (His tag)

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Overview

Quantity:	50 µg
Target:	PPIH
Protein Characteristics:	AA 1-177
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPIH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Peptidyl-Prolyl Cis-Trans Isomerase H/PPIH (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MAVANSSPVN PVVFFDVSIG GQEVGRMKIE LFADVVPKTA ENFRQFCTGE FRKDGVPIGY KGSTFHRVIK DFMIQGGDFV NGDGTGVASI YRGPFADENF KLRHSAPGLL SMANSGPSTN GCQFFITCSK CDWLDGKHVV FGKIIDGLLV MRKIENVPTG PNNKPKLPVV ISQCGEM
Characteristics:	Recombinant Human Peptidyl-Prolyl Cis-Trans Isomerase H/PPIH is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Met177) of Human PPIH fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PPIH
Alternative Name:	PPIase-H (PPIH Products)
Sub Type:	Fusionprotein
Background:	Peptidyl-Prolyl Cis-Trans Isomerase H (PPIH) belongs to the Cyclophilin-type PPIase family that accelerate the folding of proteins. PPIases can catalyze the cis-trans isomerization of Proline Imidic peptide bonds in oligopeptides. PPIH participates in pre-mRNA splicing. It is a specific component of the complex that includes pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. In addition, PPIH has PPIase activity and may play a role as a chaperone mediating the interactions between different proteins inside the spliceosome. Alternative Names: Peptidyl-Prolyl Cis-Trans Isomerase H, PPIase H, Rotamase H, Small Nuclear Ribonucleoprotein Particle-Specific Cyclophilin H, CypH, U-snRNP-Associated Cyclophilin SnuCyp-20, USA-CYP, PPIH, CYP20, CYPH
Molecular Weight:	21.4 kDa
UniProt:	O43447

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months