Recombinant human Cyclophilin H/PPIH protein

Catalog Number: PPH0901

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-177aa

UniProt No.
O43447

NCBI Accession No.
NP_006338

Alternative Names
Peptidylprolyl isomerase H, Peptidylprolyl isomerase H, PPIH, CYPH, CYP20, SnuCyp-20, SnuCyp-20, PPIase H, Rotamase H, Cyclophilin H, Peptidylprolyl isomerase H CypH, EC 5.2.1.8, MGC5016, Small nuclear ribonucleoprotein particle-specific cyclophilin H, uSACYP, usnRNP associated cyclophilin SnuCyp20,

PRODUCT SPECIFICATION

Molecular Weight
19.2 kDa (177aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity
Specific activity is > 220nmol/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAPF-pNA per minute at 37C in Tris-Hcl pH8.0 using chymotrypsin.

Tag
Non-Tagged

Application
SDS-PAGE, Enzyme Activity

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

Recombinant human Cyclophilin H/PPIH protein

Catalog Number: PPH0901

BACKGROUND

Description

Cyclophilin H (also known as peptidylpropyl isomerase H, PPIH) is a member of peptidyl-propyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. The cyclophilin H is a specific component of the human u4/u6 small nuclear ribonucleoprotein particle involved in the nuclear splicing of pre-mRNA. It stably associates with the u4/u6-60kD and -90kD proteins, the human orthologues of the Saccharomyces cerevisiae Prp4 and Prp3 splicing factors. Recombinant human cyclophilin H was expressed in E. coli and purified by conventional chromatography techniques.

Amino acid Sequence

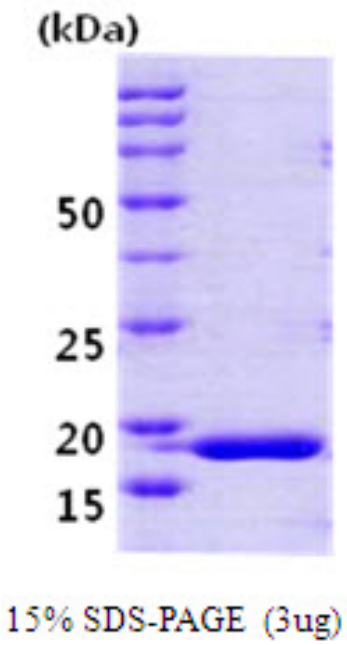
MAVANSSPVN PVVFFDVSIG GQEVGRMKIE LFADVVPKTA ENFRQFCTGE FRKDGVPIGY KGSTFHRVIK DFMIQGGDFV NGDGTGVASI YRGPFADENF KLRHSAPGLL SMANSGPSTN GCQFFITCSK CDWLDGKHVV FGKIIDGLLV MRKIENVPTG PNNKPKLPVV ISQCGEM

General References

Reidt u., et al. (2000) J Biol Chem. 275(11):7439-42.
Horowitz DS., et al. (2002) EMBO. 21(3):470-80.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.