

Human PPIL1 Protein (His Tag)

Catalog Number: 14163-H08E



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

CGI-124; CYPL1; hCyPX; PPlase; 1110060O10Rik; AI327391; Cypl1

Protein Construction:

A DNA sequence encoding the human PPIL1 (Q9Y3C6) (Met1-Gly166) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human PPIL1 consists of 172 amino acids and predicts a molecular mass of 19.1 KDa. It migrates as an approximately 17 - 20 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 10% glycerol, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

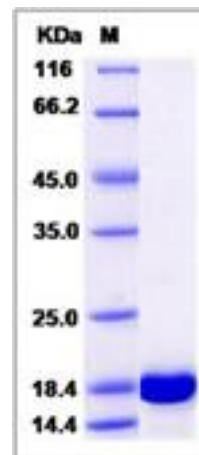
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PPIL1 is a member of the cyclophilin family. Cyclophilins are well conserved and ubiquitous. Members of cyclophilin family take an significant part in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL1 is a peptidylprolyl isomerase (PPIase). It increases the folding of proteins and catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIL1 is involved in proliferation of cancer cells through modulation of phosphorylation of stathmin. It is a novel molecular target for colon-cancer therapy.

References

1. Xu C. et al., 2005, J Biomol NMR. 31 (2): 179-80.
2. Ozaki K. et al., 1997, Cytogenet Cell Genet. 72 (2-3): 242-5.
3. Mann SS. et al., 1999, Cytogenet Cell Genet. 83 (3-4): 228-9.

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