

Human PPIL2 Protein (aa 280-457, His Tag)

Catalog Number: 14418-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

CYC4; Cyp-60; CYP60; hCyp-60; UBOX7; 0610009L05Rik; 1700016N17Rik; 4921520K19Rik; 4930511F14Rik; AA589416; C130078A06Rik; CYC4

Protein Construction:

A DNA sequence encoding the mature form of human PPIL2 (Q13356-2) (Gly280-Pro457) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % 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: His

Molecular Mass:

The recombinant human PPIL2 consists of 193 amino acids and predicts a molecular mass of 21.9 KDa. It migrates as an approximately 24 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

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:

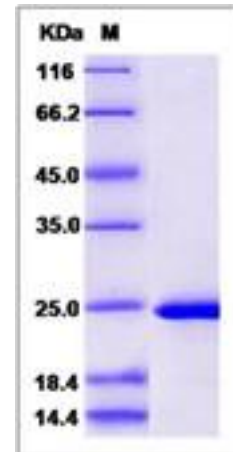
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PPIL2, is an enzyme which belongs to the cyclophilin family. The cyclophilins are peptidylprolyl isomerases and are highly conserved ubiquitous. They play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL2 interacts with the proteinase inhibitor eglin c and is localized in the nucleus. It contains 1 PPIL2 cyclophilin-type domain and 1 U-box domain. PPIL2 accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

References

- 1.Grouse LH. et al., 2003, Proc Natl Acad Sci. 99 (26): 16899-903.
- 2.Lennon G. et al., 1997, Genome Res. 6 (9): 791-806.
- 3.Payan DG. et al., 1996, Biochem J. 314 (1): 313-9.

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