

Recombinant Human PPlase A/PPIA Protein

Catalog No.: RP00016 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5478	P62937

Tags

No tag

Synonyms

PPIA;CYPA;CYPH;HEL-S-69p

Product Information

Source	Purification
<i>E. coli</i>	> 97% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is a member of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. The protein is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions.

Basic Information

Description

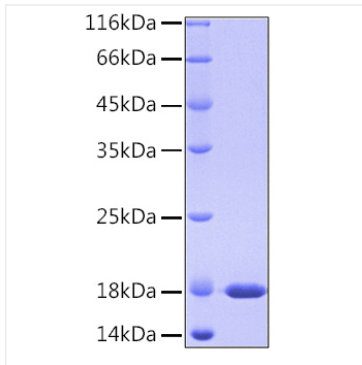
Recombinant Human PPlase A/PPIA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Glu165) of human PPIA (Accession #NP_066953.1).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human PPIase A/PPIA Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18 kDa.