

Recombinant Human Cyclophilin B/PPIase B/PPIB Protein

Catalog No.: RP02149

Sequence Information

Species **Gene ID**
Human 5479

Swiss Prot **Tags**
P23284 C-His

Synonyms

CYP-S1, CYPB, HEL-S-39, OI9, SCYLP, PPIB, CYP-S1, peptidylprolyl isomerase B, CYPB, HEL-S-39, OI9, SCYLP

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
20.9 kDa 21 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube 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.

Background

Cyclophilin B (SCYLP, CyPB and peptidyl-prolyl cis-trans isomerase B) is a 24 kDa glycoprotein member of the B subfamily of the cyclophilin-type PPIase family of molecules. It is both secreted and retained in the ER. When secreted, Cyclophilin B mediates chemotaxis and T cell adhesion to fibronectin. This is likely due to its prolyl cis/trans isomerase activity. Intracellularly, Cyclophilin B appears to serve as a molecular chaperone for molecules destined for secretion. It does so via stabilization, and facilitating the activity of additional chaperones.

Basic Information

Description

Recombinant Human Cyclophilin B/PPIase B/PPIB Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Asp34-Ala212) of human PPIB (Accession #P23284) fused with a 6xHis tag at the C- terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

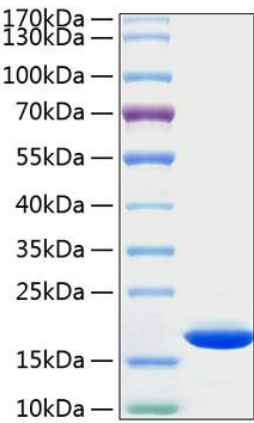
Contact

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Validation Data



Recombinant Human Cyclophilin B/PPIase B/PPIB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.