



Recombinant Protein Technical Manual  
Recombinant Human Cyclophilin B/PPIB Protein (His  
Tag)  
RPES0593

### Product Data:

**Product SKU:** RPES0593

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P23284

### Protein Information:

**Molecular Mass:** 20.9 kDa

**AP Molecular Mass:** 21 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** CYP-S1; CYPB; HEL-S-39; OI9; SCYLP

## Immunogen Information:

**Sequence:** Asp34-Ala212

## 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.