

Cyclophilin B, 26- 216aa, Human, Recombinant, E.coli

Cat.NO.: TP01809

3th Edition

Synonyms: PPIB, Peptidylprolyl isomerase B, CYPB; SCYLP; CYP-S1

Description: Cyclophilin B (also known as PPIB, peptidylpropyl isomerase B) is a cyclosporine-binding protein and is mainly located within the endoplasmic reticulum. It is associated with the secretory pathway and released in biological fluids. This protein can bind to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression. Recombinant human cyclophilin B was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20 mM NaCl, 0.5 mM DTT, 10% glycerol

Molecular Weight: 21.2kDa (192aa), confirmed by MALDI-TOF

Sequences:

MLLPGPSAADEKKKGPKVTVKVYFDLRIGDEDVGRVIFGLFGKTVPKTVDNFVALATGEKGFGYKNSKFHRVIKDFM
IQGGDFTRGDGTGGKSIYGERFPDENFKLKHYPGWVSMANAGKDTNGSQFFITTVKTAWLDGKHVVFGKVLEG
MEVVRKVESTKTDSRDKPLKDVIIADCGKIEVEKPFIAIKE

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.