

## 32-6720: Cyclophilin B Mouse

**Application :** Functional Assay

**Alternative Name :** Peptidyl-prolyl cis-trans isomerase B, PPIase B, CYP-S1, Cyclophilin B, Rotamase B, S-cyclophilin, SCYLP.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

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.

Cyclophilin B Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (34-216 a.a) and having a molecular mass of 22.7kDa. Cyclophilin B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** Cyclophilin B protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMNDKKKG PKVTVKVYFD LQIGDESVGR VVFGFLFGKTV  
PKTVDNFVAL ATGEKGFGYK NSKFHRVIKD FMIQGGDFTR GDGTGGKSIY GERFPDENFK LKHYGPWVVS  
MANAGKDTNG SQFFITTVKT SWLDGKHVVV GKVLEGMDVV RKVESTKTDSRDKPLKDVII VDSGKIEVEK  
PFAIAKE.

### Application Note

Specific activity is > 1,000 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.