

Human recombinant protein Cyclophilin B
Human Recombinant Cyclophilin B
Catalog # PBV10548r**Specification****Human recombinant protein Cyclophilin B - Product info**

Primary Accession	P23284
Concentration	1
Calculated MW	21.2 kDa KDa

Human recombinant protein Cyclophilin B - Additional Info

Gene ID	5479
Gene Symbol	PPIB

Other Names

PPIB, Peptidyl prolyl isomerase B, CYPB; SCYLP; CYP-S1

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVDF NFVALATGEK GFGYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP DENFKLKHYG PGWVSMANAG KDTNGSQFFI TTVKTAWLDG KHVVFQKVLK GMEVVRKVES TKTDSRDKPL KDVIIADCGK IEVEKPFAIA KE

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20 mM NaCl, 0.5 mM DTT, 10% glycerol.

Human recombinant protein Cyclophilin B - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein Cyclophilin B - Images

Human recombinant protein Cyclophilin B - Background

Cyclophilin B is a cyclosporine-binding protein. 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. It also binds to cells derived from T- and B-lymphocytes, and may regulate cyclosporine A-mediated immunosuppression.

Human recombinant protein Cyclophilin B - References

- Spik G., et al. J. Biol. Chem. 266:10735-10738(1991).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
- Zody M.C., et al. Nature 440:671-675(2006).
- Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.