



Product Datasheet

Product Name	Cyclophilin-B Human Recombinant
Cata No	CB500490
Source	<i>Escherichia Coli.</i>
Synonyms	Peptidylprolyl isomerase B, PPIase, Rotamase, S-cyclophilin, PPIB, cyclophilin-like protein, peptidyl-prolyl cis-trans isomerase B, Cyclophilin B, SCYLP, CYPB, CYP-S1, MGC2224, MGC14109.

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.

Cyclophilin-B Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids (26-216) and having a molecular mass of 21.2 kDa.

PPIB is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

1 mg/ml solution containing 20mM Tris 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol.

Stability

PPIase Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C.

Please prevent freeze thaw cycles.

Sequence

MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD
EDVGRVIFGL FGKTVPKTVD
NFVALATGEKGFYKNSKFH RVIKDFMIQG
GDFTRGDGTG GKSIYGERFP DENFKLKHYG
PGWVSMANAGKDTNGSQFFI TTVKTAWLGD
KHVVFGKVL E GMEVVRKVES TKTDSDRKPL
KDVIIADCGK IEVEKPFAIA KE.