

Cyclophilin B Human

Description: 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.

Catalog #:ENPS-320

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.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL
FGKTVPKTVD NFVALATGEKGFYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP
DENFKLKHYG PGWVSMANAGKDTNGSQFFI TTVKTAWLDG KHVVFQKVL E GMEVVRKVES
TKTDSRDKPL KDVIADCGK IEVEKPFAIA KE.

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

Formulation:

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

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

Biological Activity:

Specific activity is > 220 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

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