



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Recombinant Human Cyclophilin-B

Catalog No.
228-10295

Source
Escherichia Coli

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.

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.

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.

Physical Appearance

Sterile filtered colorless solution.

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.

Amino acid sequence

MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVD NFVALATGEK
GFGYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP DENFKLKHYG PGWVSMANAG
KDTNGSQFFI TTVKTAWLDG KHVVFVGKYLE GMEVVRKVES TKTDSRDKPL KDVIIADCGK
IEVEKPF AIA KE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Biological activity

Specific activity is > 170 nmoles/min/ug, and is defined as the amount of enzyme that cleave 1umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.

Purity

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**