

# Active Recombinant Human PPIB Protein

**Cat. No.** PPIB-63H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PPIB Protein without tag was expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 26-216 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | The protein encoded by this gene 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. Variants have been identified in this protein that give rise to recessive forms of osteogenesis imperfecta. |
| <b>Bio-activity</b>     | Specific activity is > 1,500 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.                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 21.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | <1.0 EU per 1 µg of the protein by the LAL method                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at -20 to -80 centigrade in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. |
| <b>Concentration</b>  | 1 mg/ml (determined by Bradford assay)                                                         |
| <b>Storage Buffer</b> | In 20mM Tris 8.0, 20mM NaCl, 0.5mM DTT, 10% glycerol.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PPIB peptidylprolyl isomerase B [ Homo sapiens (human) ]                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | PPIB                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | PPIB; peptidylprolyl isomerase B; B; OI9; CYPB; SCYLP; CYP-S1; HEL-S-39; peptidyl-prolyl cis-trans isomerase B; PPIase B; S-cyclophilin; cyclophilin-like protein; epididymis secretory protein Li 39; peptidylprolyl isomerase B (cyclophilin B); rotamase B; EC 5.2.1.8 |
| <b>Gene ID</b>         | 5479                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_000942                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_000933                                                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 123841                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | P23284                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA