

Recombinant Full Length Human PPIB, GST-tagged

Cat. No. PPIB-26338TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Cyclophilin B produced in <i>Saccharomyces cerevisiae</i> ; 216 amino acids, MWt 20.3 kDa. Protein is tagged with 26 kDa proprietary tag.
Species	Human
ProteinLength	1-216 a.a.
Description	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.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids
 MLRLSERNMK VLLAAALIAG SVFFLLLPGP SAADEKKGKGP KVTVKVYFDL
 RIGDEDVGRV IFGLFGKTVP KTVDNFVALA TGEKGFYKKN SKFHRVIKDF
 MIQGGDFTRG DGTGGKSIYG ERFDPENFKL KHYGPGWVSM ANAGKDTNGS
 QFFITTVKTA WLDGKHVVFG KVLEGMEVVR KVESTKTDSR DKPLKDVIIA

Sequence Similarities
 Belongs to the cyclophilin-type PPIase family. PPIase B subfamily. Contains 1 PPIase cyclophilin-type domain.

Full Length Full L.

GENE INFORMATION

Gene Name [PPIB peptidylprolyl isomerase B \(cyclophilin B\) \[Homo sapiens \]](#)

Official Symbol [PPIB](#)

Synonyms PPIB; peptidylprolyl isomerase B (cyclophilin B); peptidyl-prolyl cis-trans isomerase B; CYPB; OI9;

Gene ID [5479](#)

mRNA Refseq [NM_000942](#)

Protein Refseq [NP_000933](#)

MIM [123841](#)

Uniprot ID [P23284](#)

Chromosome Location 15q21-q22

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Pathway	Syndecan-1-mediated signaling events, organism-specific biosystem;
Function	isomerase activity; peptide binding; peptidyl-prolyl cis-trans isomerase activity; protein binding; unfolded protein binding;

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