

Active Recombinant Human PPIB

Cat. No. PPIB-8314H Lot. No. (See product label)

SPECIFICATION

Product Overview	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 chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	26-216 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	1 mg/ml solution containing 20 mM Tris 8.0, 20 mM NaCl, 0.5mM DTT and 10% glycerol.
Bio-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.
AA Sequence	MLLPGPSAAD EKKKGPKVTV KVFYDLRIGD EDVGRVIFGL FGKTVPKTVD

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NFVALATGEKGFYKNSKFH RVIKDFMIQG GDFTRGDGTG GKSIYGERFP
 DENFKLKHYG PGWVSMANAGKDTNGSQFFI TTVKTAWLDG KHVVFQKVLV
 GMEVVRKVES TKTDSRDKPL KDVIIADCGK IEVEKPFAIA KE.

Purity Greater than 95.0% as determined by RP-HPLC and analysis by SDS-PAGE

Notes For research use only.

Storage PPIase Human Recombinant although stable at 4 °C for weeks, should be stored desiccated below -18 °C. Please prevent freeze/thaw cycles.

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 15q21-q22

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Location

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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