

Active Recombinant Human PPIB Protein

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

SPECIFICATION

Product Overview	Recombinant Human PPIB Protein without tag was expressed in E.coli.
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.
Bio-activity	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.
Molecular Mass	21.2 kDa
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method
Purity	>95% by SDS-PAGE

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

GENE INFORMATION

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

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