

Product datasheet for **SC126997**

Cyclophilin B (PPIB) (NM_000942) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin B (PPIB) (NM_000942) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclophilin B
Synonyms:	B; CYP-S1; CYPB; HEL-S-39; OI9; SCYLP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126997 sequence for NM_000942 edited (data generated by NextGen Sequencing) ATGCTGCGCCTCTCCGAACGCAACATGAAGGTGCTCCTTGCCGCCCCCTCATCGCGGGG TCCGTCTTCTTCCTGCTGCTGCCGGGACCTTCTGCGGCCGATGAGAAGAAGAAGGGGCC AAAGTCACCGTCAAGGTGTATTTTGACCTACGAATTGGAGATGAAGATGTAGGCCGGGTG ATCTTTGGTCTCTTCGAAAGACTGTTCCAAAAACAGTGGATAATTTTGTGCCTTAGCT ACAGGAGAGAAAGGATTTGGCTACAAAAACAGCAAATTCATCGTGAATCAAGGACTTC ATGATCCAGGGCGGAGACTTCACCAGGGGAGATGGCACAGGAGGAAAGAGCATCTACGGT GAGCGCTTCCCCGATGAGAACTTCAAAGTGAAGCACTACGGGCCCTGGCTGGGTGAGCATG GCCAACGCAGGCAAAGACACCAACGGCTCCCAGTCTTTCATCACGACAGTCAAGACAGCC TGGCTAGATGGCAAGCATGTGGTGTGGCAAAGTTCTAGAGGGCATGGAGGTGGTGGCGG AAGGTGGAGAGCACCAAGACAGACAGCCGGGATAAACCCCTGAAGGATGTGATCATCGCA GACTGCGCAAGATCGAGGTGGAGAAGCCCTTTGCCATCGCCAAGGAGTAG Clone variation with respect to NM_000942.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000942 unedited GCACGAGGTGTGGATGCTGCGCCTCTCCGAACGCAACATGAAGGTGCTCCTTGCCGCCGC CCTCATCGCGGGTCCGTCTTCTTCTGCTGCTGCCGGGACCTTCTGCGGCCGATGAGAA GAAGAAGGGGCCAAAGTCACCGTCAAGGTGTATTTGACCTACGAATTGGAGATGAAGA TGTAGGCCGGGTGATCTTTGGTCTTTCGAAAAGACTGTTCCAAAAACAGTGGATAATTT TGTGGCCTTAGCTACAGGAGAGAAAGGATTTGGCTACAAAAACAGCAAATTCATCGTGT AATCAAGGACTTCATGATCCAGGGCGGAGACTTCACCAGGGGAGATGGCACAGGAGGAAA GAGCATCTACGGTGAGCGCTTCCCGATGAGAACTTCAAACCTGAAGCACTACGGGCCTGG CTGGGTGAGCATGGCAAACGAGCAAAGACACCAACGGCTCCCAGTTCTTCATCACGAC AGTCAAGACAGCCTGGCTAGATGGCAAGCATNGTGGTGTGTTGGCAAAGTTCTAGAGGGCA TGGAGGTGGTGCAGGAGGTGGAGAGCACCAAGACAGACAGCCGGGATAAACCCCTGAAGG ATGTGATCATCGCAGACTGCGGGCAGAATCGAGTGGAGAAGCCCTTTGCCATCGCCAAGG AGTAGGGCACAGGGACATCTTTCTTTGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_000942
Insert Size:	700 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000942.4 , NP_000933.1
RefSeq Size:	1045 bp
RefSeq ORF:	651 bp
Locus ID:	5479
UniProt ID:	P23284

Cytogenetics:	15q22.31
Domains:	pro_isomerase
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	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. [provided by RefSeq, Oct 2009]