

Product datasheet for **RG203180**

Cyclophilin B (PPIB) (NM_000942) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin B (PPIB) (NM_000942) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyclophilin B
Synonyms:	B; CYP-S1; CYPB; HEL-S-39; OI9; SCYLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203180 representing NM_000942 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGCCTCTCCGAACGCAACATGAAGGTGCTCCTTGCCGCCCCCTCATCGCGGGTCCGTCTTCT
TCCTGCTGCTGCCGGACCTTCTGCGCCGATGAGAAGAAGAAGGGGCCAAAGTCACCGTCAAGGTGTA
TTTTGACCTACGAATTGGAGATGAAGATGTAGGCCGGTGATCTTTGGTCTTTCGGAAAGACTGTTCCA
AAAACAGTGGATAATTTTGTGGCCTTAGCTACAGGAGAGAAAGGATTTGGCTACAAAAACAGCAAATTCC
ATCGTGAATCAAGGACTTCATGATCCAGGGCGGAGACTTCACCAGGGGAGATGGCACAGGAGGAAAGAG
CATCTACGGTGAAGCCTTCCCGATGAGAACTTCAAAGTGAAGCACTACGGCCCTGGCTGGGTGAGCATG
GCCAACGCAGGCAAAGACACCAACGGCTCCAGTTCATCACGACAGTCAAGACAGCCTGGCTAGATG
GCAAGCATGTGGTGTGGCAAAGTTCTAGAGGGCATGGAGGTGGTGGGAAAGGTGGAGAGCACCAAGAC
AGACAGCCGGGATAAACCCCTGAAGGATGTGATCATCGCAGACTGCGGCAAGATCGAGGTGGAGAAGCCC
TTTGCCATCGCCAAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203180 representing NM_000942
 Red=Cloning site Green=Tags(s)

MLRLSERNMKVLAAAL IAGSVFFLLLPGPSAADEKKGPKVTVKVYFDLRIGDEDVGRVIFGLFGKTVP
 KTVDNFVALATGEKGFYKNSKFHRVIKDFMIQGGDFTRGDGTGGKSIYGERFPDENFKLKHYGPWVSM
 ANAGKDTNGSQFFITTVKTAWLDGKHVVFVKVLEGMVVRKVESTKTDSRDKPLKDVIIADCGKIEVEKP
 FAIAKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000942

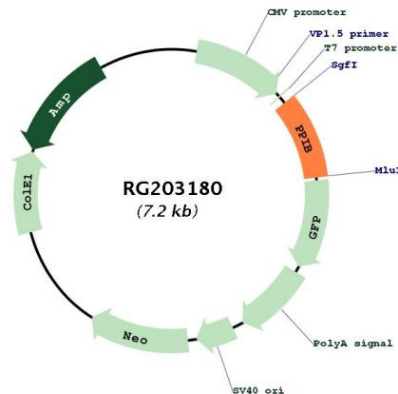
ORF Size: 648 bp

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_000942.5</u>
RefSeq Size:	1045 bp
RefSeq ORF:	651 bp
Locus ID:	5479
UniProt ID:	<u>P23284</u>
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]

Product images:


Circular map for RG203180