

Product datasheet for **RG202284**

PPIL4 (NM_139126) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PPIL4
Synonyms:	HDCME13P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Protein Sequence:	>RG202284 representing NM_139126 Red=Cloning site Green=Tags(s)

MAVLLETTLGDVVIDLTYEERPRACLNFLKLCIKIYYNYCLIHNVQRDFIIQTGDPTGTGRGGESIFGQL
YGDQASFFAEKVPRIKHKKGTVMVNGSDQHGSQFLITTGENLDYLDGVHTVFGVTEGMDIIKKIN
ETFVDKDFVPYQDIRINHTVILDDPFDDPPDLLIPDRSPEPTREQLDSGRIGADEEIDDFKGRSAEEVEE
IKAEKEAKTQAILLEMVGDLPDADIKPPENVLFVCKLNPVTTDEDLEIIFSRFGPIRSCEVIRDWKTGES
LCYAFIEFEKEEDCEKAFFKMDNVLIIDRRIHVDFSQSVAKVKWKGGKGYTKSDFKEYEKEQDKPPNLV
LKDKVKPKQDTKYDLILDEQAEDSKSSHSTSKKHKKKTHHCSEEKEDDYMPIKNTNQDIYREMGFGHY
EEEESCWEKQKSEKRDRTQNRSRSRERDGHYSNSHKSQYQDLYERERSKKRDRSRSPKKSCKEKS
YR

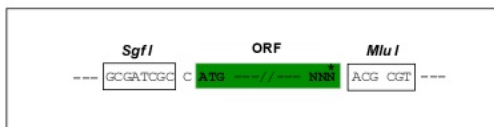
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoR I
BamH I *Kpn I*
RBS
Kozac Consensus
Sgf I
Asc I

CTATAGGGCGGCCGGGAATTCTGCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCATCGCCGGCGCCGCAGATCT

Hind III
Nhe I
Rsr II
Mlu I
Not I
Xho I
GFP Tag

CAAGCTTAAC TAGTAGTCAGCGGACCG ACG CGT ACG CGG CGG CTC GAG ATG GAG ACG GAC --- --- ---
 T R T R P L E M E S D - - -

Pme I
Fse I

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT
 - - - E E R V Stop

ACCN: NM_139126

ORF Size: 1476 bp

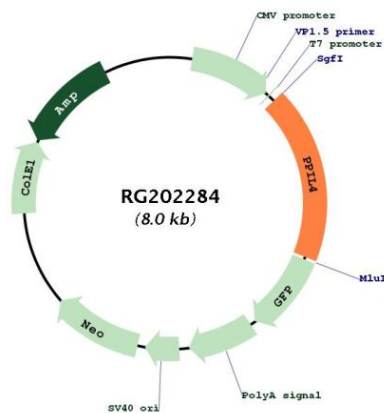
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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 10uq of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_139126.4</u>
RefSeq Size:	2481 bp
RefSeq ORF:	1479 bp
Locus ID:	85313
UniProt ID:	<u>Q8WUA2</u>
Cytogenetics:	6q25.1
Domains:	RRM, pro_isomerase
Gene Summary:	This gene is a member of the cyclophilin family of peptidylprolyl isomerases. The cyclophilins are a highly conserved family, members of which play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202284