

Product datasheet for RC202546

PPIL3 (NM_130906) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPIL3 (NM_130906) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PPIL3
Synonyms: CYPJ
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202546 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCTGTGACACTGCATACAGATGTAGGTGATATTTAAATTGAAGTCTTCTGTGAGAGGACACCAAAA
 CATGTGAGAATTTCTGGCTCTTTGTGCCAGTAATTACTACAATGGCTGTATTTTCATAGGAATATCAA
 GGGTTTCATGGTTCAAACAGGAGATCCAACAGGAAGTGAAGAGGAGGCAACAGTATTTGGGGCAAGAAG
 TTTGAGGATGAATACAGTGAATATCTTAAGCACAATGTTAGAGGTGTTGTATCTATGGCTAATAATGGCC
 CGAACACCAATGGATCTCAGTTCTTCATCACCTATGGCAAACAGCCACATTTGGACATGAAATACACCGT
 ATTTGGAAAGGTAATAGATGGTCTGGAAACTCTAGATGAGTTGGAGAAGTTGCCAGTAAATGAGAAGACA
 TACCGACCTCTTAATGAGGTACACATTAAGGACATAACTATTCATGCCAACCCATTTGCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202546 protein sequence
 Red=Cloning site Green=Tags(s)

MSVTLHTDVGDIKIEVFCERTPKTCENFLALCASNYNGCIFHRNIKGFMVQTDPTGTGRGNSIWGKK
 FEDEYSEYLNHNRGVVSMANNGPNTNGSQFFITYGKQPHLDMKYTVFGKVIDGLETLDELEKLPVNEKT
 YRPLNEVHIKDITIHANPFAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6410_e03.zip


[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_130906

ORF Size: 483 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 10ug 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: [NM_130906.3](#)

RefSeq Size: 1179 bp

RefSeq ORF: 486 bp

Locus ID: 53938

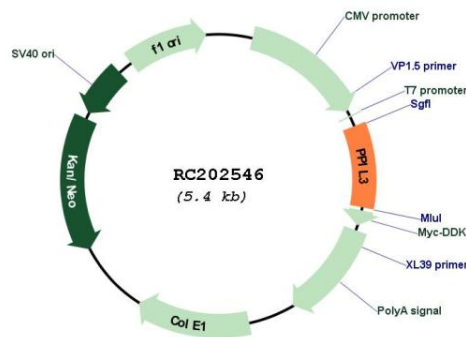
UniProt ID: [Q9H2H8](#)

Cytogenetics: 2q33.1

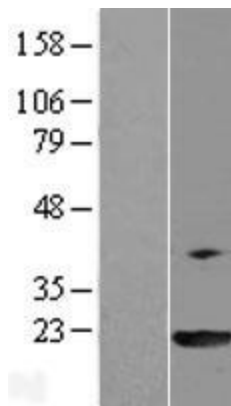
MW: 18.2 kDa

Gene Summary: This gene encodes a member of the cyclophilin family. Cyclophilins catalyze the cis-trans isomerization of peptidylprolyl imide bonds in oligopeptides. They have been proposed to act either as catalysts or as molecular chaperones in protein-folding events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2008]

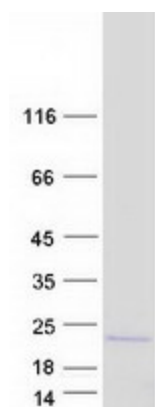
Product images:



Circular map for RC202546



Western blot validation of overexpression lysate (Cat# [LY408889]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217389] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PPIL3 protein (Cat# [TP302546]). The protein was produced from HEK293T cells transfected with PPIL3 cDNA clone (Cat# RC202546) using MegaTran 2.0 (Cat# [TT210002]).