

Product datasheet for RC219090

PPIL5 (LRR1) (NM_203467) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL5 (LRR1) (NM_203467) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPIL5
Synonyms:	4-1BBLRR; LRR-1; PPIL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219090 representing NM_203467 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTACACTGTGAGGTGGAGGTGATCAGCCGGCACTTGCCCGCCTTGGGGCTTAGGAACCGGGGCA
AGGGCGTCCGAGCCGTGTTGAGCCTCTGTCAGCAGACTTCAGGAGTCAGCCGCCGTCCGAGCCTTCTC
GCTCATCTCCACCCTGAAGGACAAGCGCGGGACCCGCTATGAGCTAAGGGAGAACATTGAGCAATTCTTC
ACCAAATTTGTAGATGAGGGGAAAGCCACTGTTTCGTTAAAGGAGCCTCCTGTGGATATCTGTCTAAGTA
AGGATTCCATATGGCTCTCATATCATTCCATTCCATCTCTGCCAAGATTTGGATACCGCAAAAATTTGTG
TTTGTGGAAGATTCTGTCTGAACCTTTTCATTCAAGGAAGTACTACCATGAATCTGCATTCTGTTGCCCA
CACTGTGGTCTTAGTAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC219090 representing NM_203467 Red=Cloning site Green=Tags(s)
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MKLHCEVEVISRHLPALGLRNRGKGVRAVLSLCQQTSSRQPPVRAFLLISTLKDKRGTRYELRENIEQFF
TKFVDEGKATVRLKEPPVDICLSKDSIWL SYHSIPSLPRFGYRKNLCLWKILSELFHSRNYHESAFCCP
HCGLSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk8022_d06.zip
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203467

ORF Size: 438 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_203467.1](#), [NP_982292.1](#)

RefSeq Size: 1049 bp

RefSeq ORF: 441 bp

Locus ID: 122769

UniProt ID: [Q96L50](#)

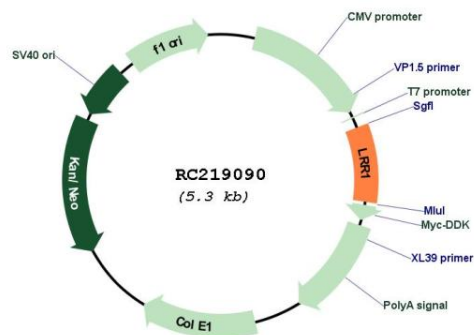
Cytogenetics: 14q21.3

Protein Families: Druggable Genome

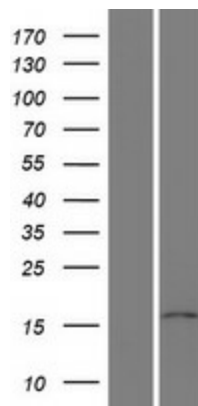
MW: 16.8 kDa

Gene Summary: The protein encoded by this gene contains a leucine-rich repeat (LRR). It specifically interacts with TNFRSF9/4-1BB, a member of the tumor necrosis factor receptor (TNFR) superfamily. Overexpression of this gene suppresses the activation of NF-kappa B induced by TNFRSF9 or TNF receptor-associated factor 2 (TRAF2), which suggests that this protein is a negative regulator of TNFRSF9-mediated signaling cascades. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Feb 2011]

Product images:



Circular map for RC219090



Western blot validation of overexpression lysate (Cat# [LY404280]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219090 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).