

Product datasheet for **SC308198**

PPIL5 (LRR1) (NM_203467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPIL5 (LRR1) (NM_203467) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPIL5
Synonyms:	4-1BBLRR; LRR-1; PPIL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308198 representing NM_203467. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAAGCTACACTGTGAGGTGGAGGTGATCAGCCGGCACTTGCCCGCCTTGGGGCTTAGGAACCGGGGC
 AAGGGCGTCCGAGCCGTGTTGAGCCTCTGTGAGCAGACTTCCAGGAGTCAGCCGCCGGTCCGAGCCTTC
 CTGCTCATCTCCACCCTGAAGGACAAGCGCGGGACCCGCTATGAGCTAAGGGAGAACATTGAGCAATTC
 TTCACCAAATTTGTAGATGAGGGGAAAGCCACTGTTGGTTAAAGGAGCCTCCTGTGGATATCTGTCTA
 AGTAAGGATTCCATATGGCTCTCATATCATTCCATTCCATCTCTGCCAAGATTTGGATACCGCAAAAAT
 TTGTGTTTGTGGAAGATTCTGTCTGAACCTTTTCATTCAAGGAAGTACTACCATGAATCTGCATTCTGT
 TGCCCACTGTGGTCTTAGTAG**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_203467
Insert Size:	441 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_203467.1</u>
RefSeq Size:	1049 bp
RefSeq ORF:	441 bp
Locus ID:	122769
UniProt ID:	<u>Q96L50</u>
Cytogenetics:	14q21.3
Protein Families:	Druggable Genome
MW:	17 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks a coding region exon which leads to a frameshift, compared to variant 1. The resulting isoform (3) has a distinct and shorter C-terminus, as compared to isoform 1. Isoform 3 has also been named LRR-1b.</p>