

Product datasheet for **RC205466**

PPFIBP2 (NM_003621) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPFIBP2 (NM_003621) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPFIBP2
Synonyms:	Cclp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC205466 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTTCTGATGCTAGTCATGCCTGGAAGCTGCCCTGGAGCAATGGACGGGATCATTGCAGGCACTA
AAACAGGTGCAGATCTTAGTGATGGTACTTGTGAGCCTGGACTGGCTTCCCCGGCCTCTACATGAACCC
CTTCCCGGTGCTCCATCTCATCGAGGACTTGAGGCTGGCCTTGGAGATGCTGGAGCTTCCCTCAGGAGAGA
GCAGCCCTCTGAGCCAGATCCCTGGCCCAACAGCTGCCTACATAAAGGAATGGTTTGAAGAGAGCTTGT
CCCAGGTAACCACACAGTGTCTAGTAATGAAACCTACCAGGAACGCTTGGCAGTCTAGAAGGGGA
TAAGGAGTCCCTCATATTGCAGGTGAGTGTATCACAGACCAAGTAGAAGCCAGGGAGAAAAGATTGCA
GACCTGGAAGTGTCTGGAAGGACACCAGGTGAAACTCAATGCTGCTGAAGAGATGCTTCAACAGGAGC
TGCTAAGCCGCACATCTTTGAGACCCAGAAGCTCGATCTGATGACTGAAGTGTCTGAGCTGAAGCTCAA
GCTGGTTGGCATGGAGAAGGAGCAGAGAGAGCAGGAGGAGAAGCAGAGAAAAGCAGAGGAGTTACTGCAA
GAGCTCAGGCACCTCAAATCAAAGTGGAAAGATTGAAAAATGAAAGGAATCAGTATGAATGGAAGCTAA
AGGCCACTAAGGCTGAAGTCGCCACGCTGCAAGAACAGGTGGCCCTGAAAGATGCAGAAATTGAGCGTCT
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CGTCTGAAAAATGGGGATGGAAACTTTGCTGCTTGCCAATGAAGATAAGGACCGTCGGATAGAGGAGCTTA
CGGGGCTGTTAAACAGTACCGGAAGGTAAAGGAGATTGTGATGGTCACTCAAGGGCCTTCGGAGAGAAC
TCTCTCAATCAATGAAGAAGAACCGGAGGGAGGTTTCAGCAAGTGAACGCTACAATAAGGACCCCTGAA
GAATTTTAAACAAGAGATGCCTCCAAGATGTAGCTCTCCTACAGTGGGGCCACCTCCATTGCCACAGA
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CCAGATGGTAAACGGAATCCCAAAGGCATTAAGAAGTTCTGGGAAAAATCCGAAGAACTCAGTCAGGAA
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GAGCGTGTGTGTCATGGCTGGAGGACTTTGGCCTGGCTCAGTATGTGATCTTTGCCAGGCAAGTGGTAT
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CTAGAGTTGACGGACGAATGCTGCAATACCTAAGTGAACGATTTACTCTTTAAAAGTACACAGCCA
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CACCGGCGCCAGCTGATGAGAGTAACCTTTCTCCTTCAAGAGTGTACAGTGGTCCAACCACAGGGTGA
TGGAGTGGTACGATCTGTGGACCTGGCAGAGTATGACCCAATCTTCGAGGGAGTGGAGTCCATGGAGG
CCTCATTATCCTGGAGCCACGCTTCACTGGGGACACCCTGGCTATGCTTCTCAACATCCCCCACAAAAG
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ATTTTCACACTTCGAAAACATAAGAAAAAGAAGTTTCGATGAATCGACGGACTACATTTGCCAATGGAG
CCCAGTGACGGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT
CTGAACTGGATGGGCTGGACCAGGTGGGACAGATTAGC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205466 protein sequence
 Red=Cloning site Green=Tags(s)

MASDASHALEAALEQMDGIIAGTKTGADLSDGTCEPLASPASYMNPFPVLHLIEDLRLALEMLELPQER
 AALLSQIPGPTAAYIKWFEEESLSQVNHSAASNETYQERLARLEGDKESLILQVSVITDQVEAQGEKIR
 DLEVCLLEGHQVKLNAAEMLQCELLSRTSLETQKLDLMTEVSELKLVGMEKEQREKQKAEELLQ
 ELRLHLKIKVEELENERNQYEWKLNKATKAEVAQLQEQVALKDAEIERLHSQLSRTAALHSESHTERDQEIQ
 RLKMGMETLLLANEDKDRRIEELTGLLNQYRKVKEIVMVTQGPSERTLSINEEPEGGFSKWNATNKDPE
 ELFKQEMPPRCSPTVGPPLPQKSLETRAQKLLSCSLEDLRSESVDKCMDGNQFPFVLEPKDSPFLAEH
 KYPTLPGKLSGATPNGEAAKSPPTICQPDATGSSLLRLRDTESGWDDTAVVNDLSSSTSSGTESGPQSPLT
 PDGKRNPKGIKKFWGKIRRTQSGNFYDTLGMAEFRGGLRATAGPRLSRTRDSKGQKSDANAPFAQWST
 ERVCAWLEDFGLAQYVIFARQWVSSGHTLLTATPQDMEKELGIKHPLHRKKLVAVKAIINTKQEEKSALL
 DHIWVTRWLDIGLPQYKQDFHESRVDGRMLQYLVNDLLFLKVTSQLHHL SIKCAIHLVHNKFNPHCL
 HRRPADESNLSPSEVVQWSNHRVMEWLRVLDLAEYAPNLRGSGVHGGLIILEPRFTGDTLAMLLNIPPQK
 TLLRRHLTKFNALIGPEAEQEKREKMASPAYTPLTTAKVRPRKLGFSHFGNIRKKKFDESTDYICPME
 PSDGVSDSHRVYSGYRGLSPLDAPELDGLDQVGQIS

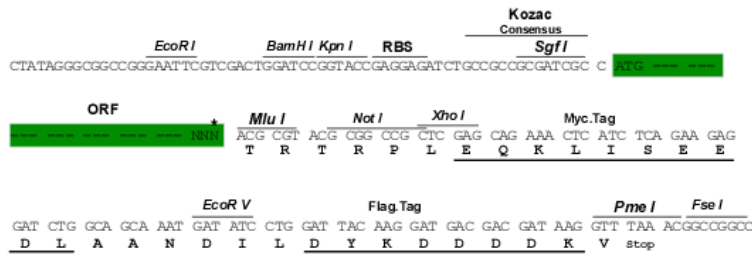
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6201_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

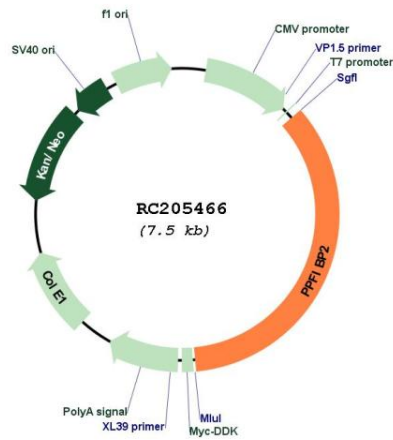
Cloning sites used for ORF Shuttling:



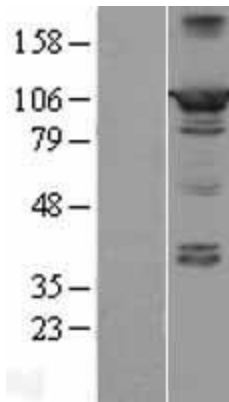
* The last codon before the Stop codon of the ORF

ACCN:	NM_003621
ORF Size:	2628 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:	<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:	NM_003621.1 , NP_003612.1
RefSeq Size:	3571 bp
RefSeq ORF:	2631 bp
Locus ID:	8495
UniProt ID:	Q8ND30
Cytogenetics:	11p15.4
MW:	98.4 kDa
Gene Summary:	This gene encodes a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. The encoded protein is a beta liprin and plays a role in axon guidance and neuronal synapse development by recruiting LAR protein-tyrosine phosphatases to the plasma membrane. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RC205466



Western blot validation of overexpression lysate (Cat# [LY401197]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205466 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).