

Product datasheet for **RC239439**

PPFIBP2 (NM_001256569) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPFIBP2 (NM_001256569) 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:**

>RC239439 representing NM_001256569
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAAGTTAATAACAAGGATGTGGAAGCTATTGAGGAGACGGAGTGCCTAAAGAGCTGCTAAGCC
 GCACATCTCTTGAGACCCAGAAGCTCGATCTGATGACTGAAGTGTCTGAGCTGAAGCTCAAGCTGGTTGG
 CATGGAGAAGGAGCAGAGAGAGCAGGAGGAGAAGCAGAGAAAAGCAGAGGAGTTACTGCAAGAGCTCAGG
 CACCTCAAATCAAAGTGAAGAGTTGGAATGAAAGGAATCAGTATGAATGGAAGCTAAAGGCCACTA
 AGGCTGAAGTCGCCCAGCTGCAAGAACAGGTGGCCCTGAAAGATGCAGAAATTGAGCGTCTGCACAGCCA
 GCTCTCCCGACAGCAGCTCTCCACAGTGAGAGTCACACAGAGAGAGACCAAGAAATTCACGCTGTGAAA
 ATGGGGATGGAAGCTTTGCTGCTTGCCAATGAAGATAAGGACCGTCGGATAGAGGAGCTTACGGGGCTGT
 TAAACCAGTACCGGAAGGTAAAGGAGATTGTGATGGTCACTCAAGGGCCTTCGGAGAGAATCTCTCAAT
 CAATGAAGAAGAACCGGAGGGAGGTTTCAGCAAGTGAACGCTACAAATAAGGACCTGAAGAATTATTT
 AAACAAGAGATGCCTCCAAGATGTAGCTCTCTACAGTGGGGCCACCTCCATTGCCACAGAAATCACTGG
 AAACCAGGGCTCAGAAAAGCTCTCTTGTAGTCTAGAAGACTTGAGAAGTGAATCTGTGGATAAGTGTAT
 GGATGGGAACAGCCCTTCCCGGTGTTAGAACCAAGGACAGCCCTTCTTGGCGGAGCACAATATCCC
 ACTTTACCTGGGAAGCTTTCAGGAGCCACGCCAATGGAGAGGCTGCCAAATCTCCTCCCACCATCTGCC
 AGCCTGACGCCACGGGGAGCAGCTGCTGAGGCTGAGAGACACAGAAAGTGGCTGGGACGACACTGCTGT
 GGTCAATGACCTCTCATCCACATCATCGGGCACTGAATCAGGTCCTCAGTCTCCTCTGACACCAGATGGT
 AAACGGAATCCCAAAGGCATTAAAGAAGTCTGGGGAAAAATCCGAAGAACTCAGTCAGGAAATTTCTACA
 CTGACACGCTGGGATGGCAGAGTTTCGACGAGTGGGCTCCGGGCAACCGCAGGCAAGACTCTCTAG
 GACGAGGACTCCAAGGACAGAAAAGTGACGCCAATGCCCTTTGCCAGTGGAGCACAGAGCGTGTG
 TGTGCATGGCTGGAGGACTTTGGCTGGCTCAGTATGTGATCTTGGCAGGCACTGGGTATCTTCTGGCC
 ACACCTTATTGACAGCCACCCCTCAGGACATGGAAGAGGAGCTAGGAATTAAGCACCCACTCCACAGGAA
 GAAGCTTGTTTTAGCAGTGAAAGCCATCAACACCAACAGGAGGAGAAGTCTGCACTGCTAGACCACATT
 TGGGTGACAAGGTGGCTTGATGATATTGGCTTACCCAGTACAAAGACCAGTTTCATGAATCTAGAGTTG
 ACGGACGAATGCTGCAATACCTAACTGTGAACGATTTACTCTTCTAAAAGTACCAGCCAACTACATCA
 TCTCAGCATCAAATGTGCCATTCAGTGCTGCATGTCAACAAGTTCAACCCCACTGCCTGCACCGGCGG
 CCAGCTGATGAGAGTAACCTTTCTCTCAGAAGTTGTACAGTGGTCCAACCACAGGGTGTGGAGTGGT
 TACGATCTGTGGACCTGGCAGAGTATGCACCAATCTTCGAGGGAGTGGAGTCCATGGAGGCCTCATTAT
 CCTGGAGCCACGCTTCACTGGGGACACCTGGCTATGCTTCTCAACATCCCCCACAAGACGCTCCTC
 AGGCGCCACCTGACCACCAAGTTCAATGCCTTGATTGGTCCGGAGGCTGAACAGGAGAAGCGAGAGAAAA
 TGGCCTCACCAGCTTACACCACTGACCACCACAGCCAAAGTCCGGCCAAGGAACTAGGATTTTACA
 CTTCGAAACATAAGAAAAAAGAAGTTCGATGAATCGACGGACTACATTTGCCCAATGGAGCCAGTGAC
 GGTGTCACTGATAGTCACAGGTCTACAGTGGCTACCGGGGCTCAGCCCCCTTGATGCCCTGAAGTGG
 ATGGGCTGGACAGGTGGGACAGATTAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239439 representing NM_001256569
 Red=Cloning site Green=Tags(s)

MGKLITRMWKLRRRSAPKELLSRTSLETQKLDLMTVESELKLLVGMKEKEQREQEEKQRKAEELLQELR
 HLKIKVEELENERNQYEWKLKATKAEVAQLQEVALKDAEIERLHSQLSRTAALHSESHTERDQEIQRK
 MGMTLLLANEDKDRRIEELTGLLNQYRKVKEIVMTQGPSERTLSINEEEPEGGSKWNATNKDPEELF
 KQEMPPRCSSPTVGPPPLPQKSLETRAQKKLSCSLEDLRSESVDKCMDGNQFPVLEPKDSPFLAEHKYP
 TLPGLKSGATPNGEAAKSPPTICQPDATGSSLLRLRDTESGWDDTAVVNDLSSTSSGTESGPQSPLTPDG
 KRNPKGIKKFWGKIRRTQSGNFYDTLGMAEFRGGRLRATAGPRLSRTRDSKGQKSDANAPFAQWSTERV
 CAWLEDGLAQYVIFARQWVSSGHTLLTATPDMEKELGIKHPHHRKLLVAVKAIINTKQEEKSALLDHI
 WYTRWLDIGLPQYKQDFHESRVDGRMLQYLTVDLLFLKVTSQLHHLKCAIHVLHVNFNPHCLHRR
 PADESNLSPSEVVQWSNHRVMEWLRVSDLAEYAPNLRGSGVHGGLIILEPRFTGDTLAMLLNIPPQKTL
 RRHLTTKFNALIGPEAEQEKREKMASPAYTPLTTAKVRPRKLGFSHFGNIRKKKFDESTDYICPMEPSD
 GVSDSHRVYSGYRGLSPLDAPELDGLDQVGQIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001256569

ORF Size: 2199 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_001256569.1](#), [NP_001243498.1](#)

RefSeq Size: 2974 bp

RefSeq ORF: 2202 bp

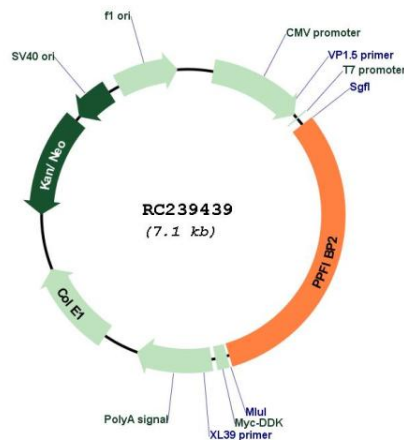
Locus ID: 8495

Cytogenetics: 11p15.4

MW: 83.6 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 RC239439