

## Product datasheet for RN217537

### Ppfia3 (NM\_001270985) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppfia3 (NM_001270985) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppfia3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217537 representing NM_001270985 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGTGCGAGGTGATGCCTACCATCAGCGAGGATGGCCGGCGGGGCTCGGCGCTGGGCCCGGACGAGG  
CCGGCGCGAGCTGGAGCGCCTCATGGTCACGATGCTCACGGAGCGGAGCGCCTGCTGGAGACGCTGCC  
AGAGGCGCAGGACGGTTGGCGACAGCGCAGCTACGACTGCGCGAGCTCGGCCACGAGAAGGACTCGCTG  
CAGCGGCAGCTCAGCATTGCTCTGCCTCAGGAGTTTGGCGCTGACGAAGGAGCTTAACCTATGTCAGG  
AACAGCTTCTGGAGAGGGAAGAAGAAATCGCAGAGCTGAAGGCGGAGCGAAACAACACCCGGCTACTTCT  
GGAACACCTCGAGTGCCTAGTGTCCAGGCACGAGCGTTCCCTACGAATGACTGTGGTGAACGCCAAGCC  
CAATCTCCTGGAGGAGTCTCCTCTGAGGTGGAAGTGTCAAGGCTCTAAAATCCCTCTTTGAGCACCACA  
AGGCCCTGGATGAGAAGGTCCGGGAAAGATTGCGGATGGCACTGGAGAGGGTAGCAGTGTCTCGAGGAGGA  
GCTGGAAGTGAAGTCAAGGAGCCCTGAACCTTCGAGACCAGCTATCTAGAAGGCGGTGAGGACTGGAG  
GAGCCGGCAAGGATGGGATGGACAGACCCTTGCCAATGGCCTGGTCCCCTGGAGAATCCAGCCGGC  
GCACGGCAGAGCTGGAGGAGGCACTGGAGCGGCAGCGTGCAGAGGTGTGCCAGCTGAGGGAGCGCCTGGC  
GGTGTGTGCCGTGAGTGAAGGAGGAGCTGGGCACTGCTCACCAGGAGCTGGGTAAGGCG  
GAGGAAGTAACTCCAAGCTGCAGCGGACCTCAAGGAGGCCCTGGCTCAGCGGGAAGATATGGAAGAAC  
GCATCACCACTGGAAGAGCGCTATCTGAGTGCACAGCGTGGAGCCACATCTCTACATGATGCCAACGA  
TAAGCTGGAGAATGAGCTGGCCAGCAAAGTCCCTGTACAGACAGAGTGAAGAGAAGAGCCGTCAGCTG  
GCCGAGTGGTGGATGACGCCAAGCAGAAGCTGCAGCAGACCCTGCAGAAGGCAGAGACCTTGCCTGAGA  
TTGAGGCTCAGCTGGCACAGAGAGTGGCTGCTCTGAACAAGGCTGAGGAACGCCATGGGAACCTTTGAGGA  
GAGGCTTCGGCAGCTGGAGGCACAGCTGGAGGAGAAGAACCAGGAGTGCAGAGGGCCCGGCAGAGGGAG  
AAGATGAACGATGACCACAATAAACGACTATCAGAAACGGTGGACAAGCTGCTAAGTGAATCCAATGAAC  
GGTTACAGCTTCACTCAAGGAACGATGGGGGCACTGGAGGAGAAGAACTCACTGAGTGAAGGAGATTGC  
TAACATGAAGAAGCTTCAAGATGAGCTGCTCTGAATAAGGAGCAGCTCTTGGCTGAGATGGAACGGATG  
CAGATGGAGATCGACCAGCTACGGGGAGGCGCCCTCCTATTCCAGGTCCTCCCTGGCAGTGCCTGG  
AGCTCCGGTACTCCAGGCACCAACCTTACCTTCTGGTGGCCCTCTGGATCCTTATGGGGCAGGCACTGG



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CCGGGCAGGCAAGAGGGGCCGCTGGTCGGGGGCCAAGGACGAGTCTTCCAAGGACTGGGACCGGTCTACC  
 CCTGCTGGATCCATTCCACCCCTTTCCCTGGAGAGCTAGATGGCTCAGATGAGGAGGAGACCGAGGGGA  
 TGTTCCGGGGCTGAACTGCTGTCCCCAGTGGGCAAGCTGATGTGCAGACTGGCCATCATGCTCCAGGA  
 GCAATTGGAAGCCATCAACAAGGAAATCAAGCTAATTCAAGAAGAGAAAGAAACGACAGAGCAGCGTGCA  
 GAGGAGCTGGAGAGCCGGGTGTCCAGTTCTGGCCTCGACTCTCTGGGCCGGTACCGCAGCAGCTGTTTAC  
 TACCGCCCTCCCTCACCACCTCCACCCTCGCCAGCCCCACCTCCCAGCTCCGGACACTCACCCTCG  
 TCTGGCACCTCCCAGTCCCTGCCGGGAGACGACAAGACCAATCATGTCCCAAGGACGAAGCCGGTGTT  
 CCACGAGGGGAGGGTCCAGCCATTCCAGGAGACACCCACCACCCACTCCCGCTCTGCCGCTTGTGAGA  
 GGATGACCAGGCTTTGGCACTGCAAGCGGGTCACTGGAAGATGGGGCACCTCCCGGGGAAGTGAGAG  
 CACCCAGATTCCCTCCACAAAGCCCCAAGAGGAAGAGCATCAAGTCATCCATCGGTGCGCTCTTCGGC  
 AAGAAAGAGAAGGGCCGGATGGGACCCCGAGCCGGGAAAGTGTCTCTGGCTGGGACACCGTCTGATG  
 AAACACTGGCCACTGACCCTCTGGGACTAGCCAAGCTGACTGGTCCAGGAGATAAGGACAGGAGGAACAA  
 GAGAAAGCATGAACTTCTAGAAGAGGCCTGTGACAAGGCCTGCCTTTTGTGCTGGCAGGCCCCACC  
 GTGGTCTCTGGCTGGAGCTCTGGTGGGCATGCCTGCATGGTACGTGGCCGCTGCCGGCCAATGTCA  
 AGAGCGGGCCATCATGGCCAACCTGTGACACAGGAGATCCAGCGGAAATCGGCATCAGCAATCCACT  
 GCACAGGCTCAAACCTGCGCCTTGCCATTAGGAGATGGTATCACTCACATCACCTCTGCTCCTGCCTCC  
 TACGCACGCCCACAGGAAACGTGTGGATGACACACGAGGAGATGGAGTCTCTGACTGCAGCTACAAAAC  
 CCGAGACCAAGGAGATCAGCTGGGAGCAGATCCTGGCATATGGCGACATGAACCAGAGTGGGTGGGCAA  
 CGACTGGCTGCCAGCCTTGGGCTGCCCGAGTACCGAAGCTACTTCATGGAGTCGCTAGTTGATGCTCGG  
 ATGTTGGACCATCTGAACAAGAAAGAACTGCGAGGCCAACTCAAGATGGTGGACAGCTTCCACAGGGTTA  
 GTCTGCACTATGGTATCATGTGCTTGAACGGCTCAACTATGACCGGAAGGATCTGGAGCGAAGGAGGGA  
 AGAAAGCCAGACCCAAATCAGAGATGTGATGGTGTGGTCCAACGAACGGGTGATGGGTTGGGTGTCTGGT  
 CTTGGCCTGAAGGAGTTTGCTACGAATCTCACCAGAGTGGGTGCACGGAGCCCTGTTGGCTCTGGATG  
 AAACCTTCGACTACTCCGACCTGGCCTTGCTTCTACAAATACCTACACAGAATGCACAAGCTCGGCAACT  
 GCTGGAGAAAGAATTCAGTAACCTCATCTCCCTAGGAACAGACAGCGGTGGATGAGGACAGTGCCAAG  
 TCCTTCAGCCGCTCCCCATCCTGGAGGAAGATGTTCCGTGAGAAGGACCTCCGGGGTGTAAACCCCGATT  
 CAGCCGAGATGTTACCCCAACTTTCTGTTAGCTGCAGCAGGAGCCCTAGGCTCACCAGGACTCCCACT  
 CCGCAACTGCAGCCTGAAGGCCAGACTTCTGGGAGTTCACGAGCAGACGGTGTTCGGTCCGGACTTAC  
 TCCTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001270985
- Insert Size:** 3579 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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.

**RefSeq:** [NM\\_001270985.2](#), [NP\\_001257914.1](#)

**RefSeq Size:** 4643 bp

**RefSeq ORF:** 3579 bp

**Locus ID:** 140591

**Cytogenetics:** 1q22

**Gene Summary:** may play a role in integrating active zone proteins and synaptic vesicles [RGD, Feb 2006]