

Product datasheet for RN217531

Ppfia4 (NM_080409) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppfia4 (NM_080409) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppfia4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217531 representing NM_080409 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGAGGTGATGCCACAATCAATGAGGGGGACCCTCTGGGGCCCCCACGGTGCCGATGCTGACG
CCAACCTTGAGCAGTTGATGGTGAACATGCTGGATGAGCGAGAGAAGTTGCTGGAGTCCCTTCGGGAGAG
TCAGGAAACTTTGGTAGCCACACAGAGCCGGCTCCAAGATGCCCTTCACGAGCGAGACCAGCTCCAGCGC
CACCTGAACTCTGCCCTCCCCAGGAATTTGCCACATTAACCTCGGAGCTAAGCATGTGTCTGGGAGCAGC
TTCTGGAGCGGGAGGAAGAGATATCTGAGCTGAAAGCAGAACGGGAATAACACTAGGCTGCTCTGGAACA
TCTGGAATGCCTCGTGTCCCGCCATGAGCGGTCATTGCGAATGACAGTGGTAAAACGCCAGGCCAGTCA
CCTTCAGGTGTCTCCAGTGAGGTGGAGGTGCTGAAGGCCCTCAAGTCACTATTTGAGCACCACAAGGCC
TGGATGAGAAGGTTGAGAGCGGCTCCGGGCAGCTCTAGAGCGAGTTACCACCTTGAGGAGCAGTTGGC
AGGAGCTCACCAGCAGGTGTCTGCCCTGCAGCAGGGGGCAGGAATTCGGGATGGAGTGGCAGAAGAGGAA
GAAACTGTGGATCTGGGACCAAACGCCTGTGAAAGATGACACTGGCCGTGTGGAAGAACTGCAAGGGC
TCTTGGAGAAGCAAACTATGAGTTGAGCCAGGCCCGGGAGCGGCTGGTCAACCCTGAGTGAACCTGTGAC
TGAGCTTGAGGAGGACCTGGGCACAGCCCGCCGAGACCTCATCAAGTCAGAGGAGCTGAGTGGCAAGCAT
CAGCGCGACCTCCGAGAGGCTCTGGCTCAGAAGGAGGACATGGAAGAGCGAATCACCACCCTGGAGAAGC
GCTACTTGGCTGCTCAGCGAGAGGCCACATCCATCCATGACCTCAATGACAACTGGAGAATGAGCTAGC
CAACAAGGAGTCCCTGCACCGCCAGTGTGAGGAGAAAGCCCGGCATCTGCAGGAGCTGTTGGAAGTGGCA
GAGCAGAAGCTGCAGCAGACCATGCGCAAGGCAGAGACCTGCCAGAGGTGGAGGCCGAGCTGTCTCAGA
GAATTGCAGCTCTACCAAGGCTGAGGAACGTCATGGCAACATTGAGGAACATCTGCGGCAGCTGGAAGG
GCAGCTGGAGGAGAAGAACCAGGAGCTGGCAAGGGTGCAGCCAGCGGGAGAAGATGAACGAGGACCACAAC
AAGCGGCTGTGAGACTGTGGACCGGTTGCTTAGTGAGTCCAACGAGCGCCTGCAGCTCCACCTCAAGG
AGCGAATGGCTGCCCTGGAGGAGAAGGGCCGCTGTCTGAGGAGATTGAGAAGCTTCGCCAAGAGGTGGA
CCAGCTGAAGGGTTCGAGGGGGCCGTTTGTGGATGGCATCCACTCCAGGTACACGCTGGGCAGTACAACA
GATGTGCCGTTCTCACTGAGTACAGCCCGCACGTGCCTCCAGGTCTGCATCGTCTGCTATACGGCTCTGA
GGGAAGAGTCTGCCAAGGACTGGAAGCCGGCACCACTGCCGGGGTGTGGCTGCCACCACCACGCTG



[View online »](#)

CTTTGACAGTGACCCTGAGATCTCCGATGTGGACGAGGATGAGCCTGGTGGCTTGGTGGGCACTCAGGTT
 GATGTCATCTCACCTGGTGGCCATTCTGATGCCAAAACCTGGCCATGATGCTCCAGGAACAACTGGATG
 CCATCAACCAGGAGATCAGGATGATTGAGGAGGAGAAGGAATCCACTGAGCTGCGTGTGAAGAGATTGA
 GACCCGTGTGACCAGCGGCAGCATGGAGGCCCTCAACCTGACCCAGCTGCGCAAGCGTGGCTCCATCCCC
 ACCTCTGACCCGCTGTCCCTGGCCAGTGCATCTCCACCACTCAGTGGCCGCTCCACACCCAAGTCA
 CTTCCAGAAGTGTGCCAGGACCTGGACCGAATGGGGTTCATGACCCTGCCAGCGACTAAGAAAAGCA
 TAGGAGGAAGCTGCTGTGCGCCAGTGTCTCGGGAAGAGAACCAGAGAGGATAAAGCCACCATAAAATGTGAG
 ACTTCTCCTCCTTCTCACCCAGGACGCTGCGGCTAGAGAAGCTTGGCCACCCTACCCTGAGTCAAGAAAG
 AAGGCAAGAGTGCCTTGGAGGGCCAGGACAGCAACCCAGCAGCAGCAACAGCAGCCAGGACTCCCTGCA
 CAAGGGCGCCAAGCGCAAGGGCATCAAGTCGTCCATTGGCCGCTGTTTGGGAAGAAGGAGAAGGGCAGG
 CTGATCCACTTGAGTCGGGATGCCACAGGCCATGTTCTGCTCACAGACTCCGAGCTCAGTCTGCAGGAAC
 CAATGGTACCTGCCAAATGGGGACCCAGGACAGAGAAGGACCGGCGACTGAAAAAGAAACACCAGCTGCT
 TGAAGATGCTCGCAGAAAAGGAATGCCTTTGCCAATGGGATGGCCCCACGGTGGTCTCCTGGCTGGAG
 CTCTGGTGGGGATGCCTGCTTGGTATGTGGCGGCTGCCGGCCAATGTCAAGAGTGGAGCCATCATGT
 CTGCCCTGTCAGACACGGAGATCCAGCGGAGATCGGCATCAGCAATGCCCTGCACAGGCTCAAGCTCCG
 CCTGGCCATCCAGGAGATGGTGTCACTGACGAGCCCTCAGCCCCGCTACCTCAAGGACATCTTACGGG
 AATGTCTGGGTGACCCACGAAGAGATGGAACCTCTGGCAACGTCTACAAAACAGACAGTGGAGGGCA
 GTTGGGCCAGACCCTGGCTACGGAGATGAATCACGAATGGATTGGAATGAATGGCTGCCAGCCT
 GGGGCTCCCTCAGTACCGCAGTACTTCATGGAGTGCCTAGTGGATGCACGCATGCTGGATCACCTCACC
 AAGAAGGACCTGCGTGTCCACCTCAAGATGGTGGACAGTTTCCATAGAACCAGTCTTCAATGATGGCATCA
 TGTGTCTGAAGAGGCTGAACTATGACCGGAAGGAGCTGGAGAAGAGGCGGAAGAGAGCCAGCATGAGAT
 CAAGGATGTGCTGGTCTGGACCAATGACCAGGTGGTTCCTGCTGGTCCAGTCCATAGGGCTAAGGGATTAT
 GCCGAAAACCTACATGAAAGTGGTGTGCATGGTGGCCTGCTGGCCTGGATGAAAACCTCGACCACAACA
 CATTGGCCTTGGTCTGCAGATCCACACAGAACACCCAGGCCCGCAAGTGATGGAGAGAGAGTTCAA
 TAACCTGTTGGCCTTGGGCACAGACAGGAAATTGGATGACGGGGAAGAGAAGGTGTTCCGTCGAGCACCC
 TCCTGGAGGAAACGCTTTCGGCCTCGGGATCACCATAGCGGTGGCATGTTGGGCACCTCAGCGGAGACCC
 TCCCTGCGGGCTTCCGTGTGCCACCCTGGGTCCGCTGCAGCCTCCACCCGCCCGCCCAACAAGATCAT
 GCCGAAGCTCACTCCACTATCTCTACGGACACATGCTCTCCGCTTCCGGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_080409
- Insert Size:** 3558 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_080409.1](#), [NP_536334.1](#)

RefSeq Size: 5852 bp

RefSeq ORF: 3558 bp

Locus ID: 140592

UniProt ID: [Q91Z80](#)

Cytogenetics: 13q13

Gene Summary: putative effectors for Rab3A, a synaptic vesicle protein that regulates synaptic vesicle exocytosis [RGD, Feb 2006]