

Product datasheet for MC229522

Ppfia2 (NM_001205341) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppfia2 (NM_001205341) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppfia2
Synonyms: 5330438O12; B230207K17Rik; E130120L08Rik; mKIAA4112
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229522 representing NM_001205341
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGTGTGAAGTGATGCCACGATTAACGAGGACACCCCAATGAGCCAACGGGGTCCCAAAGCAGTG
 GCTCCGACTCGGACTCCCATTTGAGCAACTCATGGTCAATATGCTGGATGAAAGGGACCGCTACTGGA
 CACACTCCGAGAGACCCAGGAGAGCCTCTCACTTGCCAGCAAAGGCTCCAGGATGTCATCTATGACAGA
 GATTCACTCCAGAGACAGCTGAATTCAGCCCTACCTCAGGACATCGAATCCCTAACAGGAGGGCTGACTG
 GTTCTAAGGGGGCTGATCCACCGGAGTTTGTCTGCACTGACTAAAGAGTTGAATGCTTGCCGTGAACAAC
 TCTAGAAAAGGAAGAAGAAATCTCAGAGCTGAAAGCCGAAAGAAACAACAAGACTGTTACTGGAACAC
 TTGGAGTGCCTTGTGTCGACATGAACGGTCACTAAGAATGACGGTGGTCAAGCGGCAAGCCAGTCTC
 CCTCTGGAGTGTCCAGTGAAGTGGAGTTCTCAAGGCACTGAAATCTTTGTTTGAACACCACAAAGCCTT
 GGATGAAAAGGTAAGGGAGCGACTGAGGGTTTCTTTAGAAAGAGTCTCTGCACTGGAAGAGGAACTAGT
 GCAGCTAATCAGGAGATTGTTGCCTTGCCTGAGCAAAATGTTCAATTCAAAGGAAAATGGTATCAAGTG
 AGGGTCCACGGAGTCAGAGCATTTGAAGGAATGGAAGCAGGCCAGAAAGTTCATGAAAAGCGTCTATC
 CAATGGCTCCATAGATTGACAGATGACACCAGCCAAATCGTCGAGCTGCAAGAATTGCTTGAGAAGCAA
 AACTATGAAATGGCCAAATGAAAGAACGCTTAACAGCTCTCTTCCCGGGTGGGAGAGGTGGAACAAG
 AAGCAGAGACAGCAAGAAAGGACCTCATTAACAGCAAGAAATGAACACAAAATATCAAAGGACATCCG
 AGAGGCCATGGCTCAGAAGGAAGATATGGAAGAAAGAAATCACAACCTCTGGAGAAGCGTTACCTGAGTGT
 CAGAGAGAATCTACCTCCATTATGATATGAATGATAAACTAGAAAATGAATTGGCGAACAAGGAAGCCA
 TCTTGCAGCAGATGGAAGAAAAAACAGGCAATTGCAAGAGCGTCTTGAAGTGGTGGAGCAAAAAGTTACA
 GCAGACCATGAGAAAAGCTGAACTTTACCTGAAGTAGAGGCTGAACTTGTCTCAGAGAATTGCAGCCCTA
 ACAAAAGGCTGAAGAGAGGCATGGAATATTGAAGAACGTATGAGACACCTCGAGGGCCAAGTTGAAGAGA
 AGAATCAAGAAGCTCAAAGAGCTAGACAAAGGGAGAAAATGAATGAAGAGCATAATAAGAGATTATCGGA
 TACGGTGGACAGGCTTCTGACAGAATCCAATGAGCGCCTGCAACTACACCTGAAGGAAAGGATGGCTGCT
 TTGGAAGAGAAGAATGTTTTGATTCAAGAATCAGAAAACCTCAGAAAAATCTTGAAGAGTCTTACATG



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ATAAGGAAAGATTAGCAGAAGAAATCGAGAAGCTGAGGTCTGAACCTTGATCAAATGAAAATGAGAACAGG
 TTCTCTAATTGAACCCACTATATCAAGAAGCTCATATAGACACCTCCACTGAGTTGCGGTATTTCAGTTGGG
 TCCCTTGTAGACAGCCAGTCTGATTACAGAACCACTAAAGTAATACGAAGACCAAGGAGAGGCCGCATGG
 GTGTGCGAAGAGATGAACCAAAGGTGAAATCCCTTGGAGATCATGAGTGGAACAGAACTCAGCAAATGG
 AGTACTAGGAAGCCACCCCTTCGAAAGTGACACTGAAATGTCTGATATTGATGATGATGACAGAGAAACA
 ATTTTTAGCTCAATGGATCTTCTCTCCAAGTGGCCATTCTGATGCCCAGACTCTAGCTATGATGCTTC
 AAGAACAATTGGATGCAATCAATAAAGAAATAAGACTAATTCAAGAAGAAAAGGAATCGACAGAATTGG
 TGCTGAAGAAAATTGAGAATAGAGTGGCTAGTGTAAAGCTTAGAAGGGCTGAATTTGGCGAGGGTCCATCCA
 GGTACCTCCATCACTGCCTCTGTACAGCTTCATCACTGGCCAGTTCATCTCCCCAAGTGGACACTCAA
 CGCCAAAGCTTACACCAAGAAGCCCTGCCAGGGAAATGGACCGCATGGGAGTGATGACCCTGCCAAGTGA
 TCTAAGGAAACATCGGAGAAAGATTGCAGTGGTGAAGAAGATGGACGGGAGGATAAAGCCACAATTA
 TGCGAGACTTCTCCTCCCCAACACCCAGAGCCGTCAGAAATGACTCACACCTTACCATCTCCTACCACA
 ATGATGCCCGGAGCAGTTTATCTGCCTCTTTGAGCCAGACAGTCTTGGGCTTGGCAGTGCCAATAGCAG
 CCAAGATTCTCTCCAAAAGCCCCAAGAAGAAAGGAATCAAGTCTTCAATTGGGCGCTTATTTGGGAAA
 AAAGAGAAGGCTCGACTCGGGCAGCTTCGAGGCTTCATGGAGACAGAAGCTGCAGCACAGGAATCCCTGG
 GCTTAGGCAAACCTTGAAGCTCAAGCTGAAAAGGACAGAAGGCTGAAGAAAAGCATGAACCTCTTGAAGA
 AGCTCGTAGAAAAGGATTACCTTTTGGCCAGTGGGATGGACCCACCGTGGTTGCGTGGCTGGAGCTCTGG
 CTGGGAATGCCAGCTTGGTACGTGGCAGCATGCAGAGCCAACGTGAAAAGTGGTGCATCATGTCAGCGT
 TATCGGACACTGAAATCCAAAGGGAGATTGGAATCAGCAACCCTCTGCACCGCTTAAAGCTCAGGCTAGC
 TATCCAAGAGATGGTTTTCTCACCAGCCCTCAGCGCTCCGACATCGCGTACTCCTCAGGCAATGTG
 TGGGTGACCCATGAAGAAATGAAAAATCTGACAGCTCCAGCAAAAACGAAAGAATCTGAGGAAGGAAGCT
 GGGCCAGTGTCCGTTTTCTACAGACCCTGGCTTATGGAGATATGAACCACGAGTGGATTGGAATGA
 ATGGCTTCCCAGCTGGGTTACCTCAATACAGAAGTTACTTTATGGAATGCTTGGTTGATGCAAGAATG
 TTAGACCACCTCACAAAAAGGATCTTCGTGTCCATTTAAAAATGGTGGATAGTTTCCATCGAACAGTT
 TACAGTATGGAATTATGTGCTTGAAGATTGAATTATGACAGAAAAGAACTAGAGAGAAGACGAGAAGC
 AAGTCAACATGAAATAAAGATGTTTTAGTGTGGAGCAATGATCGAGTTATTCGCTGGATACAAGCAATT
 GGACTTCGGGAATATGCAAAACAACATTCTTGGAGTGGCGTGCATGGCTCACTTATAGCCCTGGATGAGA
 ACTTTGACTACAGCAGCTTGGCTCTATTGTTGCAGATTCCAACACAGAACACCCAGGCAAGGCAGATTCT
 TGAACGTGAGTACAACAACCTCTTGGCCCTGGAACTGAGCGGAGACTGGATGAAAGTGACGACAAGAAT
 TTCAGACGGGGATCAACCTGGCGAAGGCAGTTCCTCCTCGTGAAGTTCATGGAATCAGCATGATGCCTG
 GGTCTCAGAAACATTACCAGCTGGATTAGGTTGACCACAACGTCTGGGCGAGTCCAGGAAAATGACGAC
 AGACGTTGCTTCAAGACTGCAGAGGTTAGACAACCTCACTGTTGCGACATACTCATGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001205341

Insert Size:

3774 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_001205341.1](#), [NP_001192270.1](#)

RefSeq Size: 6454 bp

RefSeq ORF: 3774 bp

Locus ID: 327814

Cytogenetics: 10 D1

Gene Summary: Alters PTPRF cellular localization and induces PTPRF clustering. May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.