

Product datasheet for MR211515

Ppfia3 (BC058404) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ppfia3 (BC058404) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ppfia3
 Synonyms: 2410127E16Rik
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >MR211515 representing BC058404
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGTGCGAGGTGATGCCTACCATCAGCGAGGATGGCCGGCGGGGCTCGGCGCTGGGCCCGACGAGG
 CCGGCCGCGAGCTGGAGCGCCTCATGGTCACGATGCTCACAGAGCGGAGCGCCTGCTGGAGACGCTGCC
 AGAGGCGCAGGACGGGTTGGCGACAGCGCAGCTACGACTGCGCGAGCTCGGCCACGAGAAGGACTCGCTG
 CAGCGGCAGCTCAGCATCGCTCTGCCTCAGGAGTTTGGCGCTCTGACGAAGGAGCTTAACCTATGTCCGG
 AACAGTCTTGGAGAGGGAAGAAGATCGCAGAGCTGAAGGCGGAGCGAAACAACCCGGCTCCTTCT
 GGAACACCTTGAGTGCCTGGTGTCCAGGCACGAACGTTCCCTGCGAATGACTGTGGTGAACGCCAAGCC
 CAGTCCCCTGGAGGGTCTCCTCTGAGGTGGAGGTGCTCAAGGCTCTAAAATCCCTCTTTGAACACCACA
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 CCTGTACAGACAGAGTGAAGAGAAGAGCCGTGAGTGGCAGAGTGGTGGATGACGCCAAGCAGAAGCTG
 CAACAGACCCTGCAGAAGGCCGAGACCTTACCAGAGATAGAGGCTCAGCTGGCCGAGCCGCTGGCTGCTC
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 GAAGAACCAGGAGCTGCAGCGGGCCCGCAGAGGGAGAAAATGAACGATGACCACAATAAGCGACTGTCA
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 GGCTTACTCGCTGGGCCGGTACCGAAGCAGCTGCTCACTGCCACCCTCCCTCACCACCTCCACCCCTCG



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CCAGCCCCTCACCTCCCAGCTCTGGCCATTCCACCCCTCGTCTGGCACCCCCAGTCTGCCCGGGAGGG
TACTGACAAGACCAACCATGTCTCTAAGGAGGAAGCTGGAGTCCCACGAGGGGAGGGTCCAGCCGTTCCA
GGAGACACCCACCCACCCAGCCCGCTCTGCCGTCTTGAGAGGATGGCCAGGCTTTGGCGCTGCAAG
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CAAGAGGAAGAGCATCAAGTCGTCATAGGCCGGCTCTTCGGCAAGAAAGAGAAGGGCCGGATGGGACCC
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AGCGGCTCAACTATGACCGGAAGGACCTGGAGCGGAGGAGGAAGAAAGCCAGACCCAAATCAGAGACGT
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TGCTTCTACAGATACCTACGCAGAAATGCACAAGCTCGGCAACTGCTGGAGAAAGAATTCAGTAACCTCAT
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AAGATGTTCCGCGAGAAGGACCTCCGGGGTGTAAACCCCGATTACGCCGAGATGTTACCCCCAACTTTC
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211515 representing BC058404
Red=Cloning site Green=Tags(s)

MMCEVMPTISEDGRRGSALGPDEAGGELERLMVTMLTERERLLETLEAQQDLATQRLRLRELGHKDSL
QRQLSIALPQEF AALTKELNLCREQLLEREEIEAELKAERNNTRLLLEHLECLVSRHERSLRMTVVKRQA
QSPGGVSSEVEVLKALKSLFEHHKALDEKVRERLRMALENELASKESLYRQSEKSRQLAEWLDDAKQKL
QQTLQKAETLPEIEAQLAQRVAALNKAERHGNFEERLRQLEAQLEEKQELQRARQREKMNDHNRKLS
ETVDKLLSESNERLQLHLKERMGALEEKNSLSEEIANMKKLQDELLLNKEQLLAEMERMQMEIDQLRGRP
PSSYSRSLPGSALELRYSQAPTLPSGAPLDPYAGSGRAGKRGRWSGAKDESSKDWDRSAPAGSIPPPFP
GELDGSDEEEAEGMFGAELLSPSQADVQTLAIMLQEQLAINEIKLIQEEKETTEQRAEELESRVSSS
GLDSLGRYRSSCSLPPSLTTSTLSPSPSSGHSTPRLAPPSPAREGTDKTNHVSKEEAGVPRGEPVAVP
GDTPPPTPR SARLERMAQALALQAGSPEDGAPRSGSESTPDSLHKAPKRKSIKSSIGRLF GKKEKGRMG
PGRESVSLAGTPSDETLATDPLGLAKLTGPGDKDRRNRKHELLEEACRQGLPFAAWDGPVTVSWLELWV
GMPAWYVAACRANVKSGA IMANLSDTEIQREIGISNPLHRLKRLAIQEMVSLTSPSAPASSRTPPTGNVW
MTHEEMESLTAATKPETKEISWEQILAYGDMNHEWVGNWLP SLGLPQYRSYFMESLVDARMLDHLNKE
LRGQK MVD SFHRVSLHYGIMCLKRLNYDRKDLERRREESQTQIRDVMVWSNERVMGWVSGLGLKEFATN
L T E S G V H G A L L A D E T F D Y S D L A L L L Q I P T Q N A Q A R Q L L E K E F S N L I S L G T D R R L D E D S A K S F S R S P S W R
K M F R E K D L R G V T P D S A E M L P P N F R S A A A G A L G S P G L P L R K L Q P E G Q T S G S S R A D G V S V R T Y S C

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

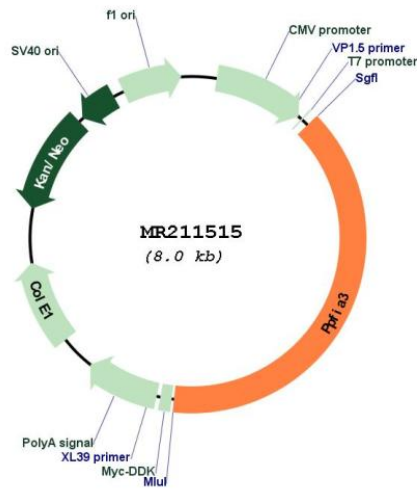
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058404

ORF Size: 3129 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:	<u>BC058404.1</u>
RefSeq Size:	4191 bp
RefSeq ORF:	3131 bp
Locus ID:	76787
Cytogenetics:	7 B3
MW:	153.7 kDa
Gene Summary:	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. [UniProtKB/Swiss-Prot Function]