

## Product datasheet for **MG211515**

### **Ppfia3 (BC058404) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppfia3 (BC058404) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppfia3
Synonyms:	2410127E16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211515 representing BC058404 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGTGCGAGGTGATGCCTACCATCAGCGAGGATGGCCGGCGGGGCTCGGCGCTGGGCCCGGACGAGG  
CCGGCGCGAGCTGGAGCGCCTCATGGTCACGATGCTCACAGAGCGGAGCGCCTGCTGGAGACGCTGCG  
AGAGGCGCAGGACGGTTGGCGACAGCGCAGCTACGACTGCGCGAGCTCGGCCACGAGAAGGACTCGCTG  
CAGCGGCAGCTCAGCATCGCTCGCTCAGGAGTTTGGCGCTCTGACGAAGGAGCTTAACTTATGTCGGG  
AACAGCTTCTGGAGAGGAAGAAGAGATCGCAGAGCTGAAGGCGGAGCGAAACAACCCGGCTCCTTCT  
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CAGTCCCTGGAGGGTCTCCTCTGAGGTGGAGGTGCTCAAGGCTCTAAAATCCCTCTTTGAACACCACA  
AAGCCCTGGATGAGAAGGTCCGGGAAAGATTGCGGATGGCATTGGAGAATGAGTTGGCCAGCAAAGAGTC  
CCTGTACAGACAGAGTGAAGAGAAGAGCCGTCAGCTGGCAGAGTGGTGGATGACGCCAAGCAGAAGCTG  
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TGAACAAGGCTGAGGAACGCCATGGGAACCTTGAAGAGAGGCTTCGGCAGCTGGAGGCACAGCTGGAGGA  
GAAGAACCAGGAGCTGCAGCGGGCCCGGAGAGGGAGAAAAATGAACGATGACCACAATAAGCGACTGTCA  
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CCAGCCCCTCACCTCCCAGCTCTGGCCATTCCACCCTCGTCTGGCACCCCCAGTCTGCCCGGGAGGG
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CAAGAGGAAGAGCATCAAGTCGTCATAGGCCGGCTCTTCGGCAAGAAAGAGAAGGGCCGGATGGGACCC
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CTCCTTAGGCACAGACAGACGGCTGGATGAGGACAGTGCCAAGTCCTTCAGCCGCTCCCCATCCTGGAGG
AAGATGTTCCGCGAGAAGGACCTCCGGGGTGTAAACCCCGATTACGCCGAGATGTTACCCCCAACTTTC
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TTCTGGGAGTTCGCGAGCAGATGGTGTTCGGTCCGGACTTACTCCTGC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG211515 representing BC058404  
 Red=Cloning site Green=Tags(s)

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MMCEVMPTISEDGRRGSAALGPDEAGGELERLMVTMLTERERLLETLEAQQDLATQRLRLRELGHEKDSL
QRQLSIALPQEF AALTKELNLCREQLLEREEIEAELKAERNNTRLLLEHLECLVSRHERSLRMTVVKRQA
QSPGGVSSEVEVLKALKSLFEHHKALDEKVRERLRMALENELASKESLYRQSEKSRQLAEWLDDAKQKL
QQTLQKAETLPEIEAQLAQRVAALNKAERHGNFEERLRQLEAQLEEKQELQRARQREKMNDHDKRLS
ETVDKLLSESNERLQLHLKERMGALEEKNSLSEEIANMKKLQDELLLNKEQLLAEMERMQMEIDQLRGRP
PSSYSRSLPGSALELRYSAPTLPSGAPLDPYAGSGRAGKRGRWSGAKDESSKDWDRSAPAGSIPPPFP
GELDGSDEEEAEGMFGAELLSPSGQADVQTLAIMLQEQLAINEIKLIQEEKETTEQRAEELESRVSSS
GLDSLGRYRSSCSLPPSLTTSTLASPPSSGHSTPRLAPPSPAREGTDKTNHVSKEEAGVPRGEGPAVP
GDTPPPPTPR SARLERMAQALALQAGSPEDGAPPRGSESTPDSLHKAPKRKSIKSSIGRLF GKKEKGRMG
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GMPAWYVAACRANVKSGAIMANLSDTEIQREIGISNPLHRLKRLRLAIQEMVSLTSPSAPASSRTPPTGNVW
MTHEEMESLTAATKPETKEISWEQILAYGDMNHEWVGNLWPSLGLPQYRSYFMESLVDARMLDHLNKE
LRGQKMYDSFHRVSLHYGIMCLKRLNYDRKDLERRREESQTQIRDVMVWSNERVMGWVSGLGLKEFATN
LTESGVHGALLALDETFDYSDLALLLQIPTQNAQRQLLEKEF SNLISLGTDRRLDEDSAKFSRSPSWR
KMFREKDLRGVTPDSAEMLPNFRSAAAGALGSPGLPLRKLQPEGQTSGSSRADGVSVRTYSC
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TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC058404.1</a>
<b>RefSeq Size:</b>	4191 bp
<b>RefSeq ORF:</b>	3131 bp
<b>Locus ID:</b>	76787
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	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]