

## Product datasheet for MR225434

### Ppfia1 (NM\_001195086) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppfia1 (NM_001195086) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppfia1
Synonyms:	C030014K08Rik; C87158; LIP.1; LIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225434 representing NM_001195086 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGTGCGAGGTGATGCCACCATTAGTGAAGCAGAAGGCCCTCCAGGAGGAGGTGGGAGCCATGGGT  
CAGGCTCCCTTACAGCCAGATGCTGATTTCGATTTTGAGCAGCTCATGGTTTCCATGTTGGAAGAACG  
GGACCGCTTCTGGACACACTAAGAGAGACACAAGAACTGGCATTAAACCCAGGGGAAGTTGCATGAA  
GTTGGTCATGAAAGAGATTCTTTCAGAGGCAGCTCAATACTGCCTCCACAGGAGTTTCTGCGCTCA  
CGAAGGAACTCAATGTGTGCAGGAGCAGCTTCTAGAGAGAGAGGAAGAAATCGCCGAGCTGAAGGCAGA  
GAGGAACAACACTAGGCTGCTGTTGGAGCACCTAGAGTGCTTGTCTCCAGGCATGAGCGCTCTCTCCGG  
ATGACAGTGGTAAAGAGGCAGGCACAGTCACTGCAGGCGTGTCCAGTGAGGTGGAAGTGTGAAAGCCC  
TGAAGTCACTGTTTGAACACCACAAAGCCTTGGATGAGAAGGTACGAGAGCGACTACGAGTGGCTCTGGA  
GAGGTGCAGCTTGTGTAAGAGGAGCTGGGTGCCACCCACAAAGAGCTAATGATTCTTAAAGAACAGAAT  
AATCAGAAGAAAACACTAACAGATGGACTGCTTGACGAAACCATGAACAGGAAAGTGCACCAAGCACCA  
ACGGCAAGAGATCTTCTGATGGCTCCTTGAGTCATGAGGATCTTGCCAAAGTGTGGAGCTGCAGGAAGT  
CATAGACAGGCAGGCGAGAGAGCAGACGACGATGAAGGAGCGCTGGCCTCCCTGTCCAGTCATGCAGCA  
GAACTAGAAGAGGATCTGGACACAGCTAGAAAAGACCTCATCAAGTCTGAAGAGATGAATACGAAACTGC  
AGCGAGAAGTCCGTGAAGCAATGGCCCAGAAGGAGGATATGGAAGAGAGAATCACCAACCTTGAGAAACG  
CTACCTCGCCGCACAGCGTGAAGCCACGCTGTGCATGACCTCAATGACAAACTGAAAAATGAAATTGCA  
AATAAAGACTCCATGCACCGACAGACAGAAGACAAGAACCAGTTGCAAGAGCGTCTGGAGTTGGCCG  
AGCAGAAGCTGCAGCAGACCCCTGCGCAAAGCTGAGACGCTGCCAGAGGTGGAGGCTGAGCTGGCCAGAG  
GGTGGCTGCACTCTCAAGTCTGGTCTTTGTCTTCTGGGAGTTCAGCTGCTAAGGAAGCAAACTGTTG  
GAGCTTACTTCCAAGCTTAGGAAGGCTGAGGAGAGACATGGCAATATTGAAGAGAGGCTGCGGCAGATGG  
AGGCACAGCTGGAGGAGAAAAATCAGGAGCTGCAGCGGCAAGGCAGAGAGAAAAAGATGAACGAGGAACA  
TAATAAGCGCTGTCTGACTGTGGATAAGTTGCTCTCAGAATCCAATGAGAGGCTGCAGCTGCATCTG



[View online »](#)

AAGGAGAGAATGGCGGCTGGAGGACAAGAATTCTCTACTAAGGGAAGTTGAAAATGCAAAGAAGCAAC  
 TAGAAGAGACCCAGCATGATAAGGACCAACTTGTCTGACTATTGAAGCCCTGAAGGCTGAGCTGGAGCA  
 GATGAGACTGAGAGGTCTTCACTCCATCATGGCCGACCCATTTGGGCAGCGTCCCGGACTTCAGGTTC  
 TCTGTGGCAGACGGACATGTGGATGCTTACAGCACCAGTGCAGTGTTCGGCGCCCCAGAAGGGCCGAC  
 TGGCAGCGCTGCGGGATGAGCCCTCAAAGTGCAGACCCTCAATGAGCAGGACTGGGAACGGGCCAACA  
 AGCCAGCGTCTTGCCAAATGTGGCACAGGCATTTGAGAGTGATGTGATGTCTGATGGTGAAGATGAC  
 CGAGATACACTGCTCAGTCTGATGCTGTCAACCCAGTGGACAGGCTGATGCCAGACACTGGCCA  
 TGATGCTTCAGGAACAGCTGGATGCTATCAACAAGAGATCAGGCTGATACAAGAAGAGAAGGAGAATAC  
 AGAACAGCGGGCAGAGGAGATCGAGAGCAGAGTGGCAGTGAAGCTTGACAATCTTGCTGTTTTAGA  
 TCAATGAGCTCCATTCCTCCCTACCCTGCTTCTCGCTTGGCTCCTCTCCTCCAGGCAGTGGTCCGT  
 CCACACCAAGAAGGGTCCCTCACAGTCTGCCCGGAGGTGGACAGGCTGGGTGTCATGACTCTGCCTAG  
 TGACTTAAGGAAGCACCGGAGACAGTGGCAGCTTCCAGAGAAGAGGTACGAGACGACAAGACGACGATA  
 AAATGTGAAACCTCTCCCCCTCTCCCGAGGCCCTGCGCTTAGACAGGATGCACAAGGGCGCACCGC  
 ACACGGTCAGCCATGAGGACATCAGGGACCTGAGGAACTCCACAGGCTCCAGGATGGTCCCGTGAGCAA  
 CCCTAGCAGCAGTAATAGTAGCCAGGACTCCCTCCACAAAGCCCAAGAAGAAGGGTATCAAACTCTCC  
 ATTTGGCCGCTTGTGGGAAGAAGGAAAAGGGCCGGCCTGGTCCACTGGGCAAGGAGTACCAGGGCAAG  
 TTGGTGTTCAGAGACAGAAAATTCATCTCAAGATGCCCTGGGACTCAGCAAATGGGAGGACAAGCTGA  
 GAAAAACCGTAAACTTCAGAAAAAGCACGAGTCTGGAGGAGGCCCGCAGGCAAGGCTTGCTTTTGCA  
 CAGTGGGATGGGCCACAGTGGTGTGTGGTTAGAGCTCTGGGTGGGATGCCTGCCTGGTATGTGGCTG  
 CTTGCCGAGCAATGTCAAGAGTGGTGCATCATGTGACCCCTGTGAGACTGAGATCCAGCGGGAGAT  
 TGGCATCAGCAACCCCTGCATAGGCTGAAGCTGCGGCTGGCCATCCAAGAGATAATGTCAGTACTAGC  
 TTTCTGCTCCACCCACATCCAGGACGACCACAGGAAATGTCTGGTTGACACATGAAGAGATGGAACGC  
 TTACAGCCAGCCACAAACGGAAGACGAGGAGGGAAGCTGGGCTCAGACTTAGCATATGGGGCATGAA  
 CCACGAGTGGATCGGCAATGAGTGGCTGCCAGCCTGGGCTGCCGAGTACCGCAGTACTTTATGGAG  
 TGCTTTGATAGTCCCGGATGCTGGACCACTTGACCAAGAAAGACTTGCGAGGGCAGTGAAGATGGTCG  
 ACAGCTTCCACAGAAACAGTTTCCAGTGTGGAATTATGTGCTGAGAAGGCTAAATTATGACCGAAAAGA  
 ACTGGAAGAAAAAGAGAAGAGAGTCAAGATGAGACAAGAGATGTGCTTGTGGAGCAATGACCGGGTG  
 ATTCGCTGGATCCTGTCGATTGGCCTTAAAGAGTATGCCAACACCTAATAGAGAGCGGTGTTACGGTG  
 CACTTCTGGCTTTGGACGAGACTTTCGATTTAGTCCCTGGCACTCTTGTACAGATTTCAACACAGAA  
 TACGACGGCTCGAGCTGCTTGGAAAGAGAATTAACAACCTTTGATCACGGGGACTGATCGGAGTTT  
 GATGAGGATGATGACAAAAGCTTCAAGGAGGCGCTTCTGGAGGAAGAAGTTCAAGCAAGGACATTC  
 GTGGCTTGGCCTTGGCTTGCAGAGACGTTGCCCTGCCAACTTCCGGGTACCTCCTCAATGTCATCTCC  
 CTCTATGCAGCCAAAGAAGGTTCAAGTGGACGGTGTGTGTCGGAGCACAGAGTTGGACTCTGCCACA  
 GTCAGGACTTACTCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225434 representing NM\_001195086  
 Red=Cloning site Green=Tags(s)

```
MMCEVMPITISEAEGPPGGGGSHGSGSPSQPDADSHFEQLMVSMLEERDRLLDTLRETQETLALTQGKLHE
VGHERSLQRQLNTALPQEF AALTKELNVCREQLLEREEEEIAELKAERNNTRLLLEHLECLVSRHERSLR
MTVVKRQAQSPAGVSSEVEVLKALKSLFEHHKALDEKVRERLRVALERCSSLLEELGATHKELMILKEQN
NQKKTLDGLLDGNHEQESAPSTNGKRSSDGLSHEDLAKVLELQEVDRQAREQSQMKERLASLSSHAA
ELEEDLDTARKDLIKSEEMNTKLQREVREAMAQKEDMEERITTLKRYLAAQREATSVHDLNDKLENEIA
NKDSMHRQTEDKNRQLQERLELAEQKLQQLRKAETLPEVEAELAQVAALSKSGPLSSGSSAAKEAKLL
ELT SKLRKAEERHGNIEERLRQMEAQLEEKQELQARQREKMNEEHNKRLSDTVDKLLSESNERLQLHL
KERMAALEDKNSLLREVENAKKQLEETQHKDQLVVTIEALKAELEQMRLRGP SLHHGRPHLGSVPDFRF
SVADGHVDAYSTSAVLR RPQKGR LAALRDEPSKVQTLNEQDWERAQQASVLANVAQAFESD VDVSDGEDD
RDTLLSSVDLLSPSGQADAQTLAMMLQEQLDAINKEIRLIQEEKENTEQRAEEIESRVGSGSLDNLGRFR
SMSSIPPYPASSLAGSSPPGSGRSTPRRVPHSPAREVDRLGVMTLP SDLRKHRRQLPASREEVRDDKTTI
KCETSPSSPRPLRLDRMHKGAPHTVSHEDIRDLRNSTGSQDGPVSNPSSNSSQDSLHKAPKKKGKISS
IGRLF GKKEKGRPGPLGKESPGQVGVSETENSSQDALGLSKLGGQAEKNRKLQKKHELLEEARQGLPFA
QWDGPTVVVWLELWVGMPAWYVAACRANVKSGAIMSALSDTEIQREIGISNPLHRLKRLAIQEIMSLTS
PSAPPTSRTTTGNVWLTHEEMETLTATPQTEDEEGSWAQT LAYGDMNHEWIGNEWLPSLGLPQYRSYFME
CLVDARMLDHLTKKDLRGQLK MVD SFHRNSFCGIMCLRRLNYDRKELERKREESQNETRDV L VWSNDRV
IRWILSIGLKEYANLIESGVHGALLALDETFDF SALALLQIPTQNTQARAVLEREFNLLITGTD RRF
DEDDDKSFRRAPSWRKKFRPKDIRGLASGSAETLPANFRVTSMS SPSMQPKKVQMDGVS VSGAQR L DSAT
VRTYSC
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9098\\_h10.zip](https://cdn.origene.com/chromatograms/mm9098_h10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

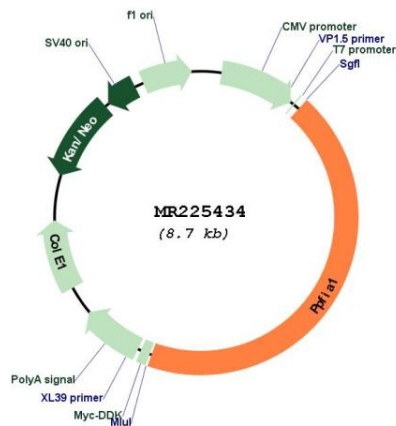


ACCN: NM\_001195086

ORF Size: 3798 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<u>NM_001195086.1, NP_001182015.1</u>
<b>RefSeq Size:</b>	5259 bp
<b>RefSeq ORF:</b>	3801 bp
<b>Locus ID:</b>	233977
<b>Cytogenetics:</b>	7 F5
<b>MW:</b>	142.7 kDa

**Product images:**



Circular map for MR225434