

Product datasheet for **MR221408**

Ppfia4 (NM_001144855) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppfia4 (NM_001144855) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppfia4
Synonyms: 1110008G13Rik; 100042382; A1448359; A1852265; C81506; Gm3812
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221408 representing NM_001144855
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGAGGTGATGCCACAATCAATGAGGGGACCCCTGGGGCCCCCACGGTGCCGATGCTGAGG
CCAACCTTGAGCAGCTGATGGTGAACATGCTGGATGAGCGAGAGAAGTTGCTGGAGTCCCTTCGGGAGAG
TCAGGAACTTTGGTAGCCACACAGAGCCGGCTCCAGGATGCCCTTCACGAGCGAGATCAGCTCCAGCGC
CACCTGAACTCCGCCCTCCCCAGGAATTTGCCACTTAACTCGGGAGCTAAGCATGTGTCGGGAGCAGC
TTCTGGAGCGGGAGGAAGAGATATCTGAGCTGAAAGCAGAGCGGAATAACACAAGGCTGCTTCTGGAACA
TCTGGAATGCCTCGTGTCCCGCCATGAGCGGTCATTGCGGATGACAGTGGTAAAACGGCAGGCCCAATCA
CCTTCAGGTGCTCCAGTGAGGTGGAGGTGCTGAAGGCCCTCAAGTCACTATTTGAGCACCACAAGGCC
TGGATGAGAAGGTGCGAGAGCGGCTCCGGGCAGCTCTAGAGCGCCTTACTACCTTGAGGAGCAGTTGGC
AGGAGCTCACCAGCAGGTATCTGCCCTGCAGCAGGGTGCAGGAATTCGGGATGGAGTAGCAGAAGAGGAA
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TCTTGGAGAAGCAAACATAGATTGAGCCAGGCCCGTGAGCGGCTGGTACCCTGAGTGCCACCGTGAC
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CAGCGGGACCTCCGAGAGGCTCTGGCTCAGAAGGAGGACATGGAAGAGAGAATCACCACACTGGAGAAGC
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CAACAAGGAATCCCTGCACCGCCAGTGTGAGGAGAAAAGCCCGGCATCTGCAGGAGCTGCTAGAAGTAGCA
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GATGTGAGGTTCTCACTGAGTACAGCCACACACGCGCCCCCAGGTCTGCATCGACGCTATTCGGCGCTGA
 GGGATGAATCTGCCAAGGACTGGAAGCCATCGCCACTGCCAGGGGTGTTGGGCGCCACCACGCCTGCCTT
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR221408 representing NM_001144855
 Red=Cloning site Green=Tags(s)

MCEVMPTINEGDPLGPPHGADAEANFEQLMVNMLDEREKLLLESLRESQETLVATQSRQLQDALHERDQLQR
 HLNSALPQEFATLTREL SMCREQLLEEEEEISELKAERNNTRLLLEHLECLVSRHERSLRMTVVKRQAQS
 PSGVSSEVEVLKALKSLFEHHKALDEKVRERLRAALERVTTLEEQLAGAHQQVSALQQGAGIRDGVAEEE
 GTVDLGPKRLWKDDTGRVEELQGLLEKQNYELSQARERLVTLSATVTELEEDLGTARRDLIKSEELSSKH
 QRDLREALAQKEDMEERITTTLEKRYLAAQREATSIHDLNDKLENELANKESLHRQCEEKARHLQELLEVA
 EQLKQQTMRKAETLPEVEAELSQRIAALTKAEERHGNIEEHLRQLEGLQLEEKQELARVRQREKMEDHN
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 DVRFSLSTATHAPPGLHRRYSALRDESADWKPSPLPGVLGATTPAFDSDPEISDVDEDEPGGLVGTQVD
 VISPGGHSDAQT LAMMLQEQLDAINQEIRMIQEEKESTELRAEEIETRVTSGSMEALNLTLQRKRSIPT
 SLTALSLASAPPLSGRSTPKLTSRSAAQDLDRMGVMTLP SDLRKHRRKLLSPVSRREENREDKATIKCET
 SPPSSPRTLRLLEKLGHPGLSQEEGKSALEGQDSSNSQDSLHKGAKRKGKIKSSIGRIFGKKEKGRLL
 IQLSRDATGHVLLT DSELSLQEPMPAKLGTQAEKDRRLKKKHQLLEDARRKGMPPFAQWDGPTVVSWELE
 WVGMPAWYVAACRANVKS GAIMSALSDTEIQREIGISNALHRLKRLAIQEMVSLTSPSAPPTSRTSSGN
 VVWTHEEMETLATSTKTDSEEGSWAQT LAYGDMNHEWIGNEWLP SGLPQYRSYFMECLVDARMLDHLTK
 KDLRVHLKMVDSFHRTSLQYGMICLKRNLNYDRKELEKRREESQHEIKDVLVWTDQVHVHWQSIGLRDYA
 GNLHESGVHGALLALDENFDHNTLALVLQIPTQSTQARQVMEREFNLLALGTDRKLDGEEKVFRRAPSS
 WRKRFPRRDHSHSGMGLG TSAETLPAGFRVSTLGPLQPPPAPPKKIMPEAGTAGAQRLEPSTVRTYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9095_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

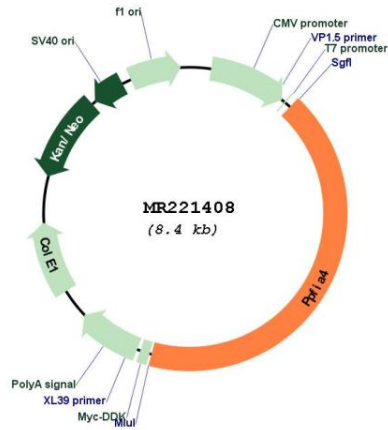


ACCN: NM_001144855

ORF Size: 3561 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>NM_001144855.1, NP_001138327.1</u>
RefSeq Size:	6067 bp
RefSeq ORF:	3564 bp
Locus ID:	68507
Cytogenetics:	1 E4
MW:	133.7 kDa

Product images:



Circular map for MR221408