

Product datasheet for **MR210135**

Pfpl (NM_019540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfpl (NM_019540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfpl
Synonyms:	Epcs5; Epcs50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210135 representing NM_019540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAGCTTCATTGTACAGTCTTATCTGGACCACAGTGGCATATGCTGAAGAGGAGAAGGCACCTTA
 AAGAGATCCATGAGTATGGTTTCCAAAAGTGCCAGAAATGCTCTGAATCTACCTGTTTTGGAAGTGCTACC
 TGGAGGAGGCTGGGATAATCTGAGGAATATGGACATGGGGCAAGTGATGGACTTGACATACAACAACTGT
 AAGACCACAGAAGACGGACAGTACATCATCCCTGATGATGTCTTTACTATTCTCAGAAAGAGAGCAACC
 TGGAGATGAACCTCAGAAATCCTGGATTCTGGGAGAATTACCGAAGCACTACTTCCTTTTCCATTAACCT
 GAATCTCGATTATCGTCCCAGAGTCAACGGCAAGTTCTCTTCTGAGTTCCAAAGGATAAAGACCACTCAA
 GTGAGAGACCAGGCTGTAAACACACGAGCTCAGGTGAGAAATTTGGTCTACACAGTGAAAGCCAACCCAA
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 GAAGATGGCCACCTACCTGGCAGAACTCTTGATCCTCAACTATGGCACACACATAATCACTAGTGTGGAT
 GCTGGGGCTACACTGGTTTCAAGGAGGATCATGTAAAGTCCCTCTATCTTAAGAACAATAAGGGAAACCGTG
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 GTATCAAAATAACTTGGCCACAGGCTATCTTCAAAACAGAACCGGTTCTAGGGTTTCAAGTATTGGAGGA
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 GGAGCAACTGGCAAGACAGTGGAACTGCTGCGGAAAGCTATTACAACCTTAATACATACCCAGGCTGC
 ACAATATCAACTCCCCAACTTTGATTTTCAAGCCAATACAGATGATGGCTCTTGTGATGGTAACTGG
 TCAACGCTCCCTTTGGAGGGGTTTATCAGTTGTCCGTCATTAATCAGGGCATGATTACGATGACATGTG
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 CATTAGGAGTTTTAACTGCTATGGCCATCTATGGCAACCGGAGGTTTAAAGAATAAACCCAATGGACT
 TCCAAGACAACAGGCATTGCTTCCTTTTCCAAGAGTTAGAGTCTTCTGATGGAGTGCAGGATCCAAAT
 CCAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210135 representing NM_019540
Red=Cloning site Green=Tags(s)

MNSFIVTVLIWTTVAYAEEEKALKEIHEYGFQKCQNALNLPVLEVLPGGGWDLNRNMDMGQVMDLTYNNC
 KTTEDGQYIIPDDVFTIPQKESNLEMNSEILDSWENYRSTTSFSINLNLDIRPRVNGKFSSEFQRIKTTQ
 VRDQAVTTTRAQVRNLVYTVKANPNAELNLGFKKELMEICDRLEKNQTKMATYLAELLILNYGTHIITSVD
 AGATLVQEDHVKSSYLKNNKGNRAAVAASAGFTFAKVVNFKIETGFEYQNNLATGYLQNRGSRVQSIGG
 IPFYPGMTIETWQKGIINHLVAVDRAGLPLHFFIKPEKLPAFPRHLVEQLAKTVETAESYYNFNTYPGC
 TNINSPNFDQFANTDDGSCDGKLVNAPFGGVYQLCRQLSGHDYDDMCLDFHQKNPLTGDFSCPPDYTPVH
 LLSQTHEKGYTGMCRDKCILKIFCRTSCKDEFVAKAEVSSYWCASSQVPENSILFGGVFTDKSINP
 MTNEPSCPTSYFPLKLFENVKVCVSLDHELGPKYSVPFGGFFSCTKGNPLYGSFTSGDLEKSFLPKCPGG
 FSQQLAAIIDGCQVSVCVKGAVFTRASLAPARLPPYTQLPMSQLSTDSEMTGESPISWVKDPYTLQWNL
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 PA

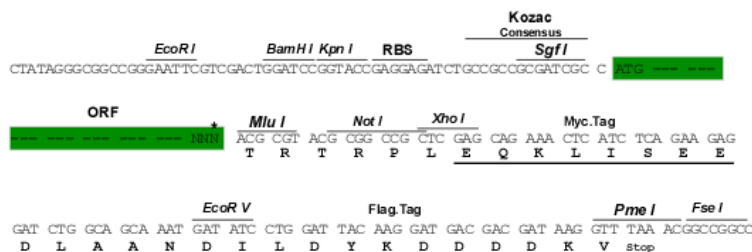
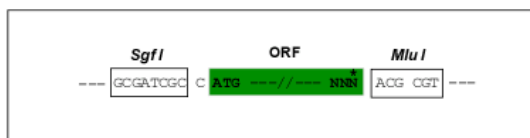
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_g03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 019540

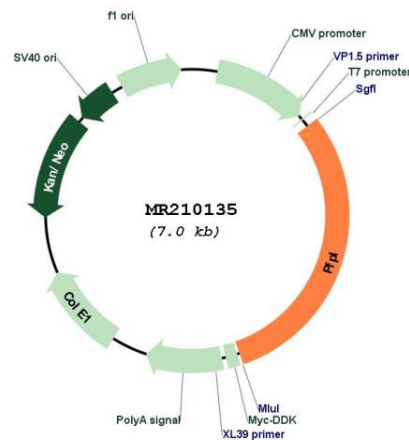
ORF Size: 2106 bp

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_019540.2, NP_062413.2</u>
RefSeq Size:	3918 bp
RefSeq ORF:	2109 bp
Locus ID:	56093
Cytogenetics:	19 A
MW:	78 kDa

Product images:



Circular map for MR210135