

Product datasheet for MR222618

Plcb4 (NM_013829) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcb4 (NM_013829) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plcb4
Synonyms:	A930039J07Rik; A1854601; C230058B11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222618 representing NM_013829 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAACCTTACGAATTTAACTGGCAGAAGGAAGTGCCTCTTTCTTGCAAGAAGGAGCAGTTTTTG
ACAGATACGAAGAGGAATCTTTGTGTTGAGCCCACTGCCTCTTCAAAGTAGATGAATTCGGCTTCTT
CCTGACGTGGAAGAGTGAAGGCAAGGAAGGACAAGTGCTAGAATGTTCCCTCATCAACAGTATTCGCCAA
GCAGCCATACCAAAGGATCCAAAATCCTGGCTGCTCTCGAAGCTGTTGAAAAATCTGAAAATGATCTGG
AAGGGCGGATATTGTGTGTCTGCAGCGCACGGATCTGGTGAATATCGGCTTCACTTACATGGTGGCTGA
AAATCCAGAAGTAACTAAGCAATGGGTAGAAGGCCTGAGATCGATCATTACAACCTCAGGGCAAACAAC
GTCAGTCCGATGACATGCCTCAAGAAACTGGATGAAACTGGCCTTTCTGACCAACACAACCTGGTAAAA
TCCAGTAGGAGTATCACTAGAACCTTCGCATCAGGGAAAACAGAAAAGGTGATCTTTCAAGCCCTCAA
GGAAGTGGTCTTCCAGTGGAAAGAAATGATGAAATTGAACCTGCTGCATTTACTTATGAAAAGTTCTAT
GAACTGACACAAAAGATTTGTCTCGGACAGATATAGAAGATCTTTTAAAAAATCAATGGAGACAAAA
CTGATTATTTAACGGTAGACCAATTAGTGAGCTTTCTAAACGAACATCAGCGAGATCCTCGGCTGAATGA
AATTTTATCCATTTTATGATGCTAAAAGAGCAATGCAGATCATTGAAATGTATGAGCCTGATGAAGAG
CTGAAGAAAAAGGCCTCATACAGTGGATTCTGCAGATATCTGATGTCAGATGAAAATGCCCTG
TCTTCTTAGATCGCTTAGAACTTTACCAGGAGATGGACCACCCGCTGGCTCATTACTTCATCAGTTCTC
CCACAACACCTATCTCACTGGCCGCAATTTGGAGGAAAGTCTTCACTGGAATGTACAGACAAGTTCTC
CTGGCTGGTTGCAGGTGTGTTGAACTTGACTGTTGGGATGGAAAAGGTGAAGATCAGGAACCGATAATAA
CTCACGAAAAGCAATGTGTACAGACATCCTTTTTAAGGATGTAATCCAGGCCATCAAGGAAACGGCGTT
TGTACATCAGAATACCCTGTCATTCTCTCCTTCGAAAACCACTGCAGCAAAATCAACAGTACAAGATG
TCCAAGTATTGTGAAGATCTATTTGGGGATCTCCTGTTGAAACAAGCACTTGAGTCGCATCCACTGAAC
CAGGAAGGCCCTTGCCGCTCCTAATGACCTCAAAGAAAAATACTCATCAAGAATAAGAGGCTGAAGCC
TGAAGTTGAAAAGAAACAGCTTGAAGCTTTGAAAAGCATGATGGAAGCTGGAGAGTCAGCCGCCAGCT



[View online »](#)

AGCATCTTGAAGACGACAATGAAGAGGAAATAGAAAAGTCTGATCAAGAGGAAGAAGCCCACCTGAAT
ACAAATTTGGAATGAACTTTCTGCCGATGACTACAGTCAAGGAAGCGGTTGCAAACAGCGTCAAGAA
GGGCTGGTCACCGTAGAGGATGAGCAAGCATGGATGGCATCTTATAAATACGTAGGTGCTACCACGAAC
ATCCATCCGTAATGTCCACGATGATCAACTATGCCAGCCCGTGAAGTTTCAAGTTTCCACGTGGCTG
AAGAGCGCAATATCACTATAACATGTCTTCTTTAACGAGTCGGTTGGCCTTGGCTACTGAAGACGCA
CGCGATTGAGTTTGTAAATTAACAATAAGCGACAAATGAGCCGATTTACCCCAAGGGAGGCGAGTTGAT
TCCAGTAATTACATGCCTCAGATTTTCTGGAACGCTGGTTGCCAGATGGTTTCACTGAACTATCAAACCC
CAGATTTAGCGATGCAATTGAATCAAGGAAAATTTGAGTATAATGGATCATGCGGGTACCTTCTCAAGCC
AGATTTTATGAGGCGCCTGATCGGACATTTGACCCCTTCTCTGAAACCCCTGTGGACGGGTTATTGCA
GCCACGTGCTCAGTGCAGGTTATATCAGGGCAGTTCCTCTCAGATAAGAAGATCGGGACATACGTGGAAG
TCGATATGTACGGGCTGCCACCGACACCACACGAAAGAGTTCGAAACCCGCATGGTTATGAACAATGG
ACTCAACCCAGTGTATAATGAAGAATCGTTTGTGTTTGAAGGATGATCCTGCCTGACCTAGCTGCCTG
AGAATCGCAGTCTACGATGACAACAACAAGCTAATTGGCCAGAGGATCCTTCTTTGGATGGTCTCCAAG
CAGGCTACCGACACATCTCCCTGAGAAACGAGGAAACAACCATATCACTGCCAACAAATTTCTGCAA
TATTGTTCTTAAACATACGTGCCTGATGGATTTGGAGATATTGTGGATGCTTTATCCGATCCAAAGAAA
TTTCTTTCAATCAGAGAAGAGAGCAGACCAATGAGAGCAATGGGCATTGAAACTAGTGACATAGCAG
ATGTGCCAGTGACACTTCCAAAATGACAAGAAAGGCAAGGCCAACCCAGCCAAAGCGAACGTGACCCC
TCAGAGCAGCTCTGAGCTCAGACCAACCACAGCCGCCCTGGGCTCTGGCCAGGAAGCCAAGAAAGGT
ATTGAACTTATCCCTCAAGTGAAGTAGAAGATTTAAAGCAATGAAGGCTTACTTGAAGCATTTAAGA
AACACAGAAGGAGTTAAACTCTTTAAAGAAGAAACATGCAAAGGAGCACAGTACCATGCAGAAGTTACA
CTGCACACAAGTTGACAAAATCGTGGCCAGTATGACAAAGAGAAGTCACTCATGAGAAAATCCTAGAG
AAGGCGATGAAGAAGAAGGGGGAAGTAATTGTCTTGAATAAAAAAAGAAACAGAAATTTAAATTCAGA
CCCTGACAACGGATCACAATCTAAGGTCAAAGAGATTGTGGCCAGCACAAAGGAGTGGTCAAGAAAT
GATCAACACTCACAGTGCAGGAGGAGCAGGAAATCCGGGATCTGCACCTGAGCCAGCAGTGTGAGCTGTG
AGAAAGCTGCTCATCAATGCTCATGAGCAGCAGACCCAGCAGCTGAAACTCTCCATGACAGGAAAGCA
AGGAGATGAGAGCCATCAGGCTAAGATTTCTATGAAAAATAGCAAGGCCATCAGTCAAGATAAATCTAT
CAAGAACAAGGCAGAACGGGAAAGGCGAGTCAAGGAGTTGAACAGCAGCAACACTAAGAAGTTCTAGAA
GAAAGAAAGAGACTGGCGATGAAGCAGTCAAAGAAATGGATCAGTTGAAAAAGTCCAGCTGGAGCACC
TAGAATTCCTAGAGAAACAGAACGAGCAGGCGAAGGAGATGCAGCAGATGGTGAATTTGAAGCCGAGAT
GGACCGCAGACCAGCAACAGTAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATTAAGTTTAA

Protein Sequence: >MR222618 representing NM_013829
 Red=Cloning site Green=Tags(s)

MAKPYEFNWQKEVPSFLQEGAVFDREYEEESVFEPNCLFKVDEFGFLLTWKSEGKEGQVLECSLINSIRQ
 AAIKPKDKILAALEAVGKSENDLEGRILCVCSGTDLVNIGFTYMAENPEVTKQWVEGLRSIIHNFRANN
 VSPMTCCLKHWMKLAFLTNTTGKIPVRSITRTFASGKTEKVIHQALKEGLPSGKNDEIEPAAFTYEKPY
 ELTQKICPRTDIEDLFKKINGDKTDYLVTDQLVSFLNEHQDRPRLNEILFPFYDAKRAMQIIEMYEPDEE
 LKKKGLISSDGFCRYLMSDENAPVFLDRLELYQEMDHLAHHYFISSSHNTYLTGRQFGGKSSVEMYRQVL
 LAGCRCELDCWDGKGEDQEPPIITHGKAMCTDILFKDVIQAIKETAFTSEYPIVLSFENHCSKYQQYKM
 SKYCEDLFGDLLLKQALESHPLEPGRPLPSPNDLKRKILIKNKRLKPEVEKKQLEALKSMMEAGESAAPA
 SILEDDNEEEIESADQEEEAHPEYKFGNELSADDYSHKEAVANSVKKGLVTVEDEQAWMASYKYVGGATTN
 IHPYLSTMINYAQPVKFGFHVAEERNIHYNMSSFNESVGLGYLKTTHAIEFVNYNKRQMSRIYPKGGRVD
 SSNYPQIFWNAGCQMVSLNYQTPDLAMQLNQKGFYNGSCGYLLKPDFMRRPDRTFDPFSETPVDGVIA
 ATCSVQVISGQFLSDKKIGTYVEVDMYGLPTDTIRKEFRTRMVMNGLNPVYNEESVFVRKVIPLDLAVL
 RIAVYDDNNKLIQIRILPLDGLQAGYRHISLRNEGNKPLSLPTIFCNIVLKYVDPDGFQDIDALSDPKK
 FLSITEKRADQMRAMGIETSDIADVPSDTSKNDKKGKANPAKANVTPQSSSELRPPTTAALGSGQEAKKG
 IELIPQVRIEDLKQMKAYLKHKKQKELNSLKKKHAKHSTMQKLHCTQVDKIVAQYDKEKSTHEKILE
 KAMKKKGGSNCLEIKKETEIKIQTLTDDHKSKEIQAHTKEWSEMINTHSAEEQEIARDLHLSQQCELL
 RKLLINAHEQQTQQLKLSHDRESKEMRAHQAKISMENSKAISQDKSIKKAERERRVRELNSSNTKKFLE
 ERKRLAMKQSKEMDQLKKVQLEHLEFLEKQNEQAKEMQMVKLEAEMDRRPATVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9037_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013829

ORF Size: 3525 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.

RefSeq: [NM_013829.3](#)

RefSeq Size: 3692 bp

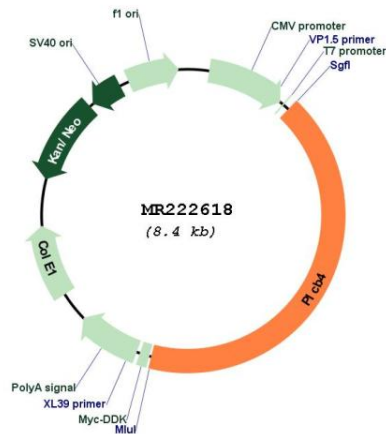
RefSeq ORF: 3528 bp

Locus ID: 18798

Cytogenetics: 2 66.64 cM

MW: 135 kDa

Product images:



Circular map for MR222618