

Product datasheet for **MG205318**

Plek (BC066185) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Plek (BC066185) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Plek |
| Synonyms: | 2010300B13Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205318 representing BC066185 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCAAAGCGGATCAGGGAGGGATACCTTGTGAAGAAGGGAAGTGTGTTTAACTGGAAACCCA
TGTGGTTGACTGTTAGAAGATGGAATTGAGTTTTATAAAAAGAAAAGTGACAATAGCCCCAAGGGGAT
GATCCCGCTGAAAGGAAGTACTCTCACTAGCCCTTGTCAAGACTTTGGCAAACGGATGTTCTGTAAAA
ATCACTACAACCAACAGCAGGACCACTTCTCCAGGCAGCCTTCTGGAGGAGAGACGCTTGGGTTT
GGGATATCAAGAAAGCCATTAATGTATTGAAGGAGGCCAGAAGTTTGAAGAAAATCCACAAGACGGTC
CATTTCGCTGCCAGAGACAATTGACTTGGGGCTTTGTATCTGTCTATGAAAGACCCCGAGAAAGGAATA
AAGGAAGTGAATCTGGAGAAGGACAAGAAAGTTTTAATCACTGCCTCACAGGTAGTGGTGTCAATTGACT
GGCTGGTTTCTAACAAGCTAGTTCGGAATCGCCAGGAAGGCTCATGATCTCCGCTTCCCTGCTCAGTGA
AGGGTACCTGCAGCCTGCTGGAGATCTGTCCAAGAATGCAGCAGATGGCATAAGCTGAAAACCTTTCCTG
GATAGCCCTGATGCTTTCTACTTTCCAGACAGTGGATTCTTCTGTGAGGAGAAGTCCAGTGTATGATG
ATGTCATTCTGAGAGAAGAATTCAGAGGGGTTATCATCAAGCAGGGATGTTTACTGAAGCAGGGGCCCG
GAGGAAAAACTGGAAAGTGAGAAAGTTCATTCTGAGAGAAGACCCGGCCTACCTGCACTACTATGATCCT
GCTGGGGTGAAGATCCCCTGGGAGCAGTTCACCTTGAGAGGCTGTGTGGTGAAGTTCAGTAGAGCAGTC
ACGATGTTAAGAAGAGTATGAAGAGAACCTCTTTGAGATCATCACAGCAGATGAAGTTCATTATTACTT
GCAGGCAGCCACTTCCAAGGAGCGTACTGAGTGGATCAAAGCCATCCAGGTGGCCTCACGGACTGGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205318 representing BC066185
Red=Cloning site Green=Tags(s)

MEPKRIREGYLVKKGSVFNTWKPMWVLLLEDGIEFYKKSNDNSPKGMIPLKGSTLTSPCQDFGKRMFVLK
 ITTTKQDHFQAAFLEERDAWVRDIKKAIAKCIIEGGQKFARKSTRRSIRLPETIDL GAL YLSMKDPEKGI
 KELNLEKDKKVFNHCLTGSVIDWL VSNKLVNRQEGMLI SASLLSEGYLQPADLSKNAADGIAENPFL
 DSPDAFYFFPDSGFFCEENSDDDDVILREEFRGVIKQGCLLKQGHRRKNWKVRKFI LREDPAYLHYYDP
 AGGEDPLGAVHLRGCVVTSVESHVDVKSDEENLFEIITADEVHYLQAATSKERTEWIKAIQVASRTGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC066185

ORF Size: 1050 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: [BC066185.1](#)

RefSeq Size: 3454 bp

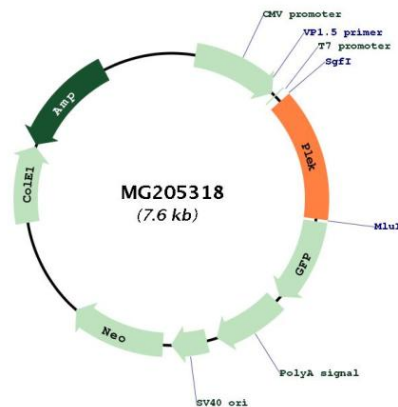
RefSeq ORF: 1052 bp

Locus ID: 56193

Cytogenetics: 11 9.41 cM

Gene Summary: Major protein kinase C substrate of platelets.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205318