

Product datasheet for MR215213

Plek (NM_019549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plek (NM_019549) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plek
Synonyms:	2010300B13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215213 representing NM_019549 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCAAAGCGGATCAGGGAGGGATACCTTGTGAAGAAGGGAAGTGTGTTAATACCTGGAAACCCA
TGTGGTTGTAAGAGATGGAATTGAGTTTTATAAAAAGAAAAGTGACAATAGCCCCAAGGGGAT
GATCCCGCTGAAAGGAAGTACTCTCACTAGCCCTTGCAAGACTTTGGCAAACGGATGTTCTGTAAAA
ATCACTACAACCAACAGCAGGACCCTTCTCCAGGCAGCCTTCTGGAGGAGAGACGCTTGGGTTCC
GGGATATCAAGAAAGCCATTAATGTATTGAAGGAGGCCAGAAGTTTGAAGAAAATCCACAAGACGGTC
CATTCCGCTGCCAGAGACAATTGACTTGGGGCTTTGTATCTGTCTATGAAAGACCCCGAGAAAGGAATA
AAGGAAGTGAATCTGGAGAAGGACAAGAAAGTTTTAATCACTGCCTCACAGGTAGTGGTGTCAATTGACT
GGCTGGTTTCTAACAAGCTAGTTCGGAATCGCCAGGAAGGCTCATGATCTCCGCTTCCCTGCTCAGTGA
AGGGTACCTGCAGCCTGCTGGAGATCTGTCCAAGAATGCAGCAGATGGCATAAGCTGAAAACCTTTCCTG
GATAGCCCTGATGCTTTCTACTTTCCAGACAGTGGATTCTTCTGTGAGGAGAAGTCCAGTGTATGATG
ATGTCATTCTGAGAGAAGAATTCAGAGGGGTTATCATCAAGCAGGGATGTTTACTGAAGCAGGGGCCACC
GAGGAAAAACTGGAAAGTGAGAAAGTTCATTCTGAGAGAAGACCCGGCCTACCTGCACTACTATGATCCT
GCTGGGGTGAAGATCCCCTGGGAGCAGTTCACCTTGAGAGGCTGTGGTGAAGTTCAGTAGAGAGCAGTC
ACGATGTTAAGAAGAGTATGAAGAGAACCCTTTTGGAGATCATCACAGCAGATGAAGTTCATTATTACTT
GCAGGCAGCCACTTCCAAGGAGCGTACTGAGTGGATCAAAGCCATCCAGGTGGCCTCACGGACTGGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215213 representing NM_019549
Red=Cloning site Green=Tags(s)

MEPKRIREGYLVKKGSVFNTWKPMWVLLLEDGIEFYKKKSDNSPKGMIPLKGSTLTSPCQDFGKRMFVLK
 ITTTKQDHFQAAFLEERDAWVRDIKKAIAKCIIEGGQKFARKSTRRSIRLPETIDL GAL YLSMKDPEKGI
 KELNLEKDKKVFNHCLTGSVIDWL VSNKLVNRQEGLMISASLLSEGYLQPAGDL SKNAADGIAENPFL
 DSPDAFYFPDSGFFCEENSSDDDDVILREEFRGVIKQGCLLKQGHRRKNWKVRKFI LREDPAYLHYYDP
 AGGEDPLGAVHLRGCVTVSVESHVDVKSDEENLFEIITADEVHYYLQAATSKERTEWIKAIQVASRTGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2306_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019549

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.

RefSeq: [NM_019549.2](#), [NP_062422.1](#)

RefSeq Size: 4117 bp

RefSeq ORF: 1053 bp

Locus ID: 56193

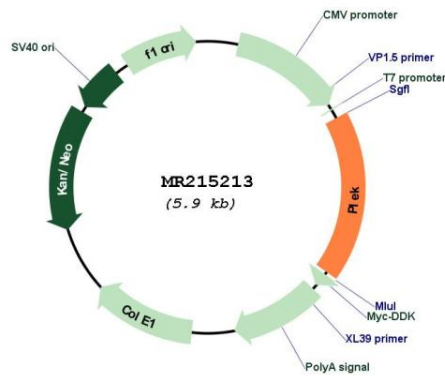
UniProt ID: [Q9JHK5](#)

Cytogenetics: 11 9.41 cM

MW: 40.4 kDa

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

Product images:



Circular map for MR215213