

Product datasheet for **MR211936**

Plekhg3 (NM_153804) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plekhg3 (NM_153804) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Plekhg3
Synonyms: BC030417
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211936 representing NM_153804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGTCTCCACTGCCCTCCACCAAGATGGCAGCCAGGAGCGGCCACGAAGCCTAGTGTCCACCACTT
 CTTTCATCTGGCTCCTCCCGTGACAGTACAGTGCATGGAGGAGCCCACTGGCTCGGAGGCTTCAGCCCA
 GAATGGGACAGGCTCCCCTGGGACCGCATGTTCCCAACAGCAACAACAACCTCCAGTGGCTGGCTGAAC
 ATGAAGGGACCTCTCTCCCATTCAACGGCCGTGCAGGGACAAGTCTGCCTACCACAAGCTCAGCTATC
 TGGGCCGGTGGTGAGAGAGATCGTGAAACAGAGCGCATGTATGTGCAGGACCTACGGAGCATTGTGGA
 GGACTACCTTTGAAGATCATTGACACTCCAGGACTCCTGAAGCCAGAGCAAGTCAGCGCCCTTTGGG
 AACATAGAGAGCATATATGCACTGAACAGCCAGCTTCTCAGAGACCTGGACAGCTGCAATAGTGACCTG
 TGGCAGTGGCCAGCTGCTTCGTGAAAGGAGCCAAGAGTTTGATATATACTCAGTATTGCAACAACCTA
 CCCCAACTCAGTGGCAGCCCTCACAGAGTGCATGCAAGACAAGCAACAAGCTAAGTTCTTCAGAGATCGG
 CAGGAGCTGCTGCAGCACTCCCTGCCTCTGGGCTCCTACCTGCTGAAGCCGGTCCAGCGCTCCTGAAGT
 ACCACCTGCTGCTCCAGGAAATTGCCAAACATTTGATGAGGAAGAGGATGGCTTCGAGGTGGTGGAGGA
 TGCCATCGACACCATGACGTGCGTGGCCTGGTACATCAACGACATGAAGAGGAGGCATGAGCAGCGAGTT
 CGGCTACAGGAGATCCAGTCACTGCTCATTAACCTGGAAGGACCGGACCTGACCACTACGGGGAGCTGG
 TCCTGGAAGCCACCTTTGCTGTGCACCGGTGCGCAATGACAGAATTTCTTCTCTTTGACAAGATACT
 GCTCATTACCAAGAAGCGAGGCGACCACTTTGTCTACAAGGGCCACATTCGCTGCTCCTCACTGATGCTG
 ATCGAAAGCACCAGAGACTCTCTGCTTCACTGTCACTCATAAGCAGCAAAACAACATACAGTA
 TCCAGGCCAAGACCGTGGAGGAGAAACGGAGCTGGACTCACCACATCAAGAGGCTCATCTTGGAACCA
 CCATGCCACCATACCCAGAAGGCCAAGGAAGCCATCTTGAAATGGACTCCTATTATCCAGTCGGTAT
 CGCTGCAGCCAGAGCGGATGAAAAGGCTGGTCTCCAGGATGAGGTGTCTAGCCACGTGCGCCAAG
 GACGTGCGCAGTCTGAGCCTGGTCATACCCTGTTGAGCAGGGCAACACTCCCGAGCAGGCAGCAAGGATT
 CGAGATGCCAGGCCTTAAGGGCCGTAGAAAGTCGGAGCCACCAGACACCTGCTCAGGCAACTGAGTGAG



[View online »](#)

AAAGCCAGAGCAGTGGGAATGAAGCATGCAGGCAGTGGTGGAGCCCTCTGGACTTTGGGAGCCAGCCC
ATGCACAGAAGCAGCAGCCAGAGGCTGAGAGGGCCGACAGGGAAGAGCTTGAGGAAGAGGAGGAGCTGGT
GGAGGAGGAAGAACAGCGGCAGCAGAGCTTCTCGGGCTCCCTGGAGGGCCTTGACAGGGCATGATGGCAGC
GAGAAGGTGCCTGGGCCAGAGCTCCCGGGCTCGGAGGAGGAGGAGGGAAGAAGAGAGTCTAGCAGTGG
CGGAGCAGGGGAAGAGACACAGGGAGTCTGAAGGCTCTAAAGGCTGCAGAAGGCCAGTAACCCGGTCGCC
AACCAGTCCGGAGAAGCGCATGAGCTTTGAGTCTGTTTCTCCCTGCCAGAGGTTGAGACAGATCCCTGAG
CCTGGGGCCGAGCAGGAGGCCTTTGCGGCCTTGAAGGTCAGCAGCAGAGGAGATGCCTTCAGACCCAG
AATTTCCAGAAGCCCTGGAGACACAGCTTCATGCCCCAAAGGGGCTGCTAGGAGTGGACAACCCAGCTGC
TGTGGTGGACTTTGTGGAGCCTGAGGGGCTGAAGACCTTAAGCCCTGAGTAGTGAGGAGGAAGAAGAA
GAGGAAATGGAAGCCGCCAGGAGCCTGAGAGCCTCCTGCCACCCTCTGTGCTGGACCAGGCCAGTGTC
TTGCTGAGAGATTCGCCAGTAGCTTCTCTCGGCGGAGCAGCCTGGCAATAGAGGATGGCAAATCCAGTGG
TTTAGGGACACCAGGCTTATCAGCCGGAGCAGCAGTGTGCTTAGCCTGGAGGGCAGTGATAAGGGCCTA
GCCCGATGGAGCAGCATCGGGACTCCCTCAGCAACCCACCCACCCAGAAGTATCATTGGTGCAGACA
TGGTACAGACAATGGCCCTTCTGTCAATGGGACAGAATCTCAAGTGCAGGCTCAGGCTGCCCCACGGA
ACAGGACAGATCTTCTGTAAGAAAAAAGAATCAGCGTTGTCTACCCGAGACCGTCACTGCTGGACAAA
ATTAAGAACTACTATGAAATGCAGAGCACCATGATGCTGGCTTACAGATCCGTCGGCGGAGAGCCCTCT
CCTATATCCCTAAAGGATTGGTGCAGCTCTGTGTCCAGATTCAACAGCCTTCCCAAGCCAGATTGAG
GCCAGCAGCTCCAGTTGGGTACAAGAGGCCGGGGAGTTCTCGTCCAGCCTCATGGACCTTGTGGACCTT
CCAGGTCCAGGACAGACAAAGGGGACCCAGCTCCTATCAGAGTGTGAGTTCTGTCCATCTTCAGAAA
TTGCAAAGATATGGGAAAGAATGGAGTCTTCAGAGAGAAGTCCACGGACAGGGTCTGGCCAGAGCCAGGC
CAATGGCTTTGAGCTACAAGAGCCACTGTTTCATCTTGGAGGAGCATGAACTGGGGGCCATCACTGAGGAG
TCTGCTGTGCCTCTCCAGAAAGTGCCTCCCCACCGAGCAACCCAGCCAGCCACCTGGCCCCGGGAGC
TCAAAGAGCTGGTAAAAGAGCTGAGCAGCAGTGTCCAGGGGAGCTGGTTACCCACTGCACCCCGGAT
TGTGCAGCTCTCCCATGTGATGGACAGCCATGTGAGTGAGCGGGTCAAAAACAAGGTCTACCAGTTGGCC
CGCCAGTACAGCCTCCGAATTAAGAATCAAGGCAGCTAGGCCACCTCTACAGTGGGAAAAAGTCACTC
CTGACCAAGAGGAGCAGGTCCCTTCCATTTCTGGCCTGCCTGAGGAAGCTGGAGAGCTGTGAGGGGCAA
AGCCAGGAGGAAGCCTGTGCTATCCCTCCTCAGCTATGAGCAGCTGGTGGCTCAGGAGCATGGCACGTCC
AAGTCTTCGCTGCCGTGGAACCTCTCCACGCCGTTTCTCCTTCAGCCCTTCTGCTGTTAGCCCAAGAA
CCACCTCACCTGGGGCTCGTCCCTCTGCTCGGAGCCCCCTCAGCCCTTTGACACCGAGACCTTCAATTG
GCCTGATGTCCGGGAGCTCTGCTCCAAATATACTTCCCACGACAAGACTGCTCAGGTCGAGAGCAGCTGG
CCCCGTAGCCTGTGGTCAACAGGAGTCGCTCCCTGCCGAGAACATCGTAGAACCTCCCATGTCTGGCA
AGGCGGACCGCTGCTGTGCCTGAACACCCACAGGCGCCTGGGAGATGGGGAAGCCTCCAGCCTCCACT
TCTGAGTCTCCTCCCCAAAGCCAGTGAATGGAGGCGACGCCCTGTATGTACCAGCAGACCTTACCCTG
GAGAAACACCAGCGAGTATCATTATGGAGAAGGGGCCCATCCTAGCTCCACCGTGGGGCTGGAGGAAG
ACAGTGGGAAGGAATCAAGTTCCCAAGTGGCTTTGAAGGGACAGGGCCAAGGTTTCCAGGCGTCTGCAGA
GTACCAGCCAAAGAACACGGTCCAGGGACTCAGCAGACACAAACAACAGGATAGAGTGAGAAACCTG
AGGGAGAAGTTCAGGCCTTGAAGTCTGTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211936 representing NM_153804
 Red=Cloning site Green=Tags(s)

```

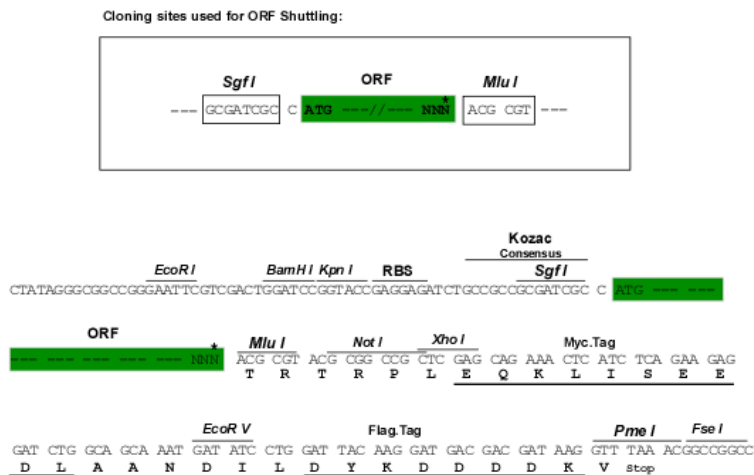
MPVSTALHQDGSQERPRSLVSTTSSSGSSRDSHSAMEEPTGSEASAQNGTGSPWDRHVPNSNNSSGWLN
MKGPLSPFNAGRAGTSPAYHKL SYLGRVVREIVETERMYVQDLRSIVEDYLLKIIDTPGLLKPEQVSALFG
NIESIYALNSQLLRDLDCNSDPVAVASCFVERSQEFDIYTYCNYNPNVAALTECMQDKQQAFFRDR
QLLEIQSLLINWKGPLDITYGELVLEATFRVHRVRNDRFTFFLFDKILLITKKRGDFVYKGHIPCSLML
IESTRDSLCTVTVTHYKHSKQYYSIQAKTVEEKRSWTHHIKRLILENHATIPQKAKEAILEMSYSPRY
RCSPERMKKAWSSQDEVSSHVRQRRQSEPHTLFSRATLPSRQQGFEMPGLKGRRKSEPTRHLLRQLSE
KARAVGMKHAGSAGALLDFGQPAHAQKQPEAERAAREEEEEELVEEEEQRQQSFGSLEGLAGHDGS
EKVPGPELPGSEEEEEESLVAEQGKRHRESEGSKGCRRPSNRSPTS AEKRMSEFSVSSLPEVETDPE
PGAEQEAFAALEGPSTEEMPSDPEFPEALETQLHAPKGLLGVDNPAAVVDFVEPEGEDLKPLSSEEEEE
EEMEAQEPESLLPPSVLDQASVIAERFASSFRRSSLAIEDGKSSGLGTPRLISRSSSVLSLEGS DKGL
ARWSSIGDSLNPPTPEVIIGADMVTDNGPSVNGTESPSAGSGCPTQDRSSCKKESALSTRDRQLLDK
IKNYENAEHHDAGFSIRRESLSYIPKGLVRSSVSRFNSLPKPDSEPAAPVGYKRPSSSRPASWTLFDL
PGPRTDKGDPAITDAEFCPSSEIAKIWERMESSERSPRTGSGQSQANGFELQEPLFILEEHGALGITEE
SAVASPESASPTQPSAHLARELRELKELVKELSSSVQGELVTPHPRIVQLSHVMDSHVSRVKNKYQLA
RQYSLRIKNIKAARPLQWEKVPDQEEQVPSISGLPEEAGELSGGKARRKPVLSLLSYEQLVAQEHGTS
KSSAAVETSPRRFSFSPSAVSPRTTSPGARSSARSPLSPFDTETFNWPDVRELCSKYTSHDKTAQVESSW
PRSLLVNRSRSLPENIVEPPMSGKADRCCLNTHRRLGDGEASQPPLPESPPPQSQLNGGDALVYVADLTL
ENNRQVIIMEKGPSPSTVGLLEEDSGKESSPVALKGQGQGFQASAEYQPKHGPRDSADTNKQGRVRL
REKFAQLNSVG
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9104_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

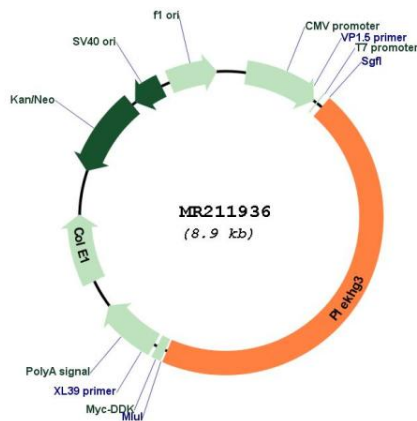


* The last codon before the Stop codon of the ORF

ACCN: NM_153804

ORF Size: 4023 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_153804.4, NP_722499.4</u>
RefSeq Size:	4955 bp
RefSeq ORF:	4026 bp
Locus ID:	263406
UniProt ID:	<u>Q4VAC9</u>
Cytogenetics:	12 C3
MW:	148.5 kDa

Product images:


Circular map for MR211936