

Product datasheet for **RN217607**

Plekhg1 (NM_001190999) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhg1 (NM_001190999) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plekhg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217607 representing NM_001190999 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGCTTTCCGACAGTGACCGACCCATCAGCTTCGGCTCCACCTCATCCTCGGCCTCCTCCAGGGACA
GCCATGGTTCCTTTGGCAGCAGAATGACTTTGGTTTCAAATAGCCACTTGGGCTTATTTACCAGGATAA
AGAAGCTGGGGCCATAAAGCTGGAGCTGGTACCAGCGCAACCATTTTCCAGCAGCGAGCTGCAGAAGGAC
AACCCCGCCGGGCCACCAACATGGATGGAGTCCGTGAGAAGCAGCCAGGGCTCCGTGGAGAGTGGACA
CGAACGGCACACCGCAAACCACTGCAGACTCGGCCACCGCCCAAGCTCCTCTATGTGGATAGAGTTGT
ACAGGAAATCCTGGAGACAGAGAGGACCTACGTGCAAGATCTAAAAAGCATCGTGGAGGATTACCTGGCA
TGCATCCGGGACCAAAACCAACTTCCCCTGGGGACTGAAGACAGGGCGGCTCTTTTGGAAACATTCAAG
ATATTTACCACTTCAATAGCGAACTTCTTCAAGAGCTGGAAAAGTGTGAAAATGATCCTGTGGCCATAGC
AGAATGTTTTGTGTCCAAGAGTGAAGAGTTCCACATTTATACCCAGTATTGCACCAACTACCCAAGTCT
GTGGCTGTGCTAACTGAATGCATGAGGAACAAGATGCTTGCCAAGTCTTCCGGGAGCGCCAGGAAACTC
TGAAACATTCAGTCCCCCTAGGGTCTATCTCCTGAAACAGTTCAAAGGATTCTCAAATATCATCTCCT
TCTACATGAAATAGAGAATCACCTTGATAAGGATACAGAAGGCTATGATGTTGTGCTGGATGCTATAGAC
ACAATGCAGCGAGTGGCCTGGCACATCAACGACATGAAACGGAAGCATGAGCATGCTGTCCGCTTGCAGG
AGATCCAGAGCTTGTTAACTAACTGGAAGGGGCCAGACCTTACCAGCTATGGGGAGCTGGTTCTTGAGGG
AACCTTCCGCATCCAGAGGGCCAAAAATGAGAGGACGCTCTTTCTCCTGGACAAGCTGCTGCTCATCACA
AAGAAGAGAGAGGACACATTTACATACAAAGCTCACATCCTGTGTGGCAACCTCATGCTTGTGGAGGTCA
TACCAAAAGAGCCTCTCAGCTTCAGTGTCTTCCACTACAAGAGCCCCAAGCTTCAGCACACCGTTTACGGC
CAAATCCCAGCAAGAAAAACGCCTCTGGATTCTGCACCTGAAGAGGCTGATTCTGGAGAACCACGCAGCA
AAAATCCCAGCTAAGGCCAAGCAAGCAATTCTTGAAATGGATGCCATCCACCATCCAGGCTTCTGTTACG
ATCCTAAGGGAGAGGTGAAGACACCATGTGTTTCAAGACCATCGGCTGAGGCGGAAGTCAGAGCCTTC
CTCTCGATCACACAAAGTGTGGAAGACCAAGTGAACCCGACAAGATATCCAGAAGGTTTCTAGAGAGGAA
AGCTCTTCCCAGCTAACTTCTGCCGTACCTGCCAGAGGAACCGCCAGCCCGGCAACGCTGCAGTCCTCA
ATATGCTTCGCGGGGAGGCAGTGTAGAGGCCTGTGGATGGATCACCACATCCAGCAGCCCTTCTTTCC



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AAGCCGCCGACTCCACAGGAGAATGAGGACGATGATGATGATTACCAGATGTTCTGTCCTCTTTCT
 TCCTCGGATCTCAACTCCACCAGGTTGTGTGAAGAGAACACTTCAAGCCGCCCTTGACAGTGGCATCTGG
 GACTGATTGAGCCACAGAGATCTCCAGCTCTGGTCACAGGATAGTCCGACGGGCCAGCAGTGTGGTGA
 AAGCAACGCCTGCCCTCCTGAAGTAAGACTTAGGGACAGTGATGGCTCCAGTACTGTCCAGGGAGAGAA
 ATGCAGAACAGTCCTCAACCAGGAGGACAGGGAGGGATGACTCCCTTTGGGTATCCGTAGAGTTAACTA
 TTGATGATATAGACCATGTCTATGATAACATTAGTTTTGAAGACTTAAAGTTAATGGTTGCTAAGCGGGA
 TGAAACTGAATCCTCTTTCTCAAATCATCCAGAGACTCTGTTGCCCCAAGAGCACCCAGAGTTAGCC
 TTCTCAAAGAGACAGGCTAGCCACAGTACAAGCTCTCTCACTCAAAGAAAGAGACAGCCTCCAGCGGTC
 AAGAGGCATCCAACCAAAGCATACATGAACACCAGGAAGTGAAGAAAACATCTATGACACCATAGGTCT
 TCCAGACCCACCATCGTGAACCTTCAACGCAGCAGCCTTCAGCAGCCAAACGAGCAGCTTCTGGGT
 CTGGAAGCTGATTTGTCATGCTGTGACAGCCTGAGACCTTTGTCTCCAGGATAGACTCCAGTTCACTG
 AGGATGACATATCTTACCACCAGGACCTCGGATACTGATTATTTGAGTTTGTATAGACTCTCCCCG
 CTGTAACCTGCCTATTGCAGATAAGACTCTGTGCGACAAATTGTCTGAAGAAGTAGATGAACTCTGGAAT
 GACCTGAAAAATTACATCAAGAAAAACGAAGACAAGTCGAGAGACCGTCTCCTTGACGCTTTCCAGTGA
 GCAAAGATGATGTCCAGAGAGGCTGTATGTGAGAGCACCCAGGAGCTGAGCAGAGATGCAGGACGTGC
 CACATCTATGCTGCCCTGCCCGAAGCCAGACTTTCTCACGCTGGGGAAAGCAGGGTTGTGAGAGCT
 AGCAGGGCCAACCTGCTCCCTGGAGGATGACCTTATTTCAACAGAAGGCTCCTTCTAAGTCTTAACCAAC
 TCTCTCTGGTCAGTGACGAGCCTTCTGAGGACAATCCCTATGACCTGGCCAGCTGCAGCCTGCCCAAC
 AGACCCGGAACCCCTGACCTAGGATGGAGATCAGACACAAGACCAAGAGCAGGGTCTTTATGATGGCC
 AGGCAGTATAGTCAAAAGATTAGAAGGTAAATCAGCTTTTGAAGTGAAAGGCCAGAGTTGGAGCAGC
 CACTGTCCAGTCAGCATAGGCCATTACAAAGATCTGGTGGCCATCTTGAAGAGAAGAGGCAAGGAGG
 ACCTGCCATTGGTGCCAGGATCGCTGAATATTTCCCACTGTATGACCAGATTGTGTTGAGAGAGACCCC
 CTTAAATCTCAGAAGGATGGCTGGACCAGCACCAAGAACCCGCACTCCATAGGCCTGCATCACCTCCCC
 AGGTCCAGGGCGCTGGTGAGGACTGGCTTTGGCATTCTGCTACAGTAACAGAGAGGTGGCAGATTCTC
 TCCCCAGACAGAGCAAGACTCAAATCAAATACCCCGTCACGTTAGAGAGCATCAGAAAAATTATGCC
 AGACAGTTGTCTGCTGCTGTTGTCAGTACCTTCTCTCAAGGGTCGGACCTCTGCTGGGCTCTGTGAGC
 AGCGATGCAGCGTAGTGGTTAGCCAGCCCCACAAAGAGAACTCCGGTCAGGGTCATCTTTACAACCTCGT
 GGGTCGCAAGCAATCAGCGCCAACTCCAGCCATATAGTAGACCCAGTCATCTTCTCAGTCTTGATC
 AACAAATCTCTGGATTCCATCACTACCCAGTGAGACAGAAAAGAAGCAACTGCTCTTTACAAAAA
 GTCCAGAGGCGGAGCCAGCAGGACTTGTGTGCGGGCTGGCGGACTCATGCCAACAGGACACAGGCAA
 ACAGTCCGATCTCAGCTGCAAGACTCACAGAAGTTCTGGTGGTAAATAGAAATTTACCTTAAGCGCC
 CAAATCGCGAGCCAGAACTACTTTCTAATTTCAAAGAGACCGAGGGAGATGAAGACGATTATGTGGAAA
 TCAAGTCAGAAGAGGATGAAGTGAGACTGGATCTCTCTCAAGGCGGAACAGGAAGTCTGACCCAAAGAT
 CCCGGACCTGACTGTTCTGATAACATCTGTGCGCACACACGCCTTACTCTTTGAAAGAGCCAGTGAGT
 GGCAGACTTGGGCTTCTCCTTACCTGACAGCATGTAAGGACTCTGATAAACTGAACGATTATCTGTGGA
 GGGGGCCATACCCAATCAGCAAAACATTGTCCAATCTCTGAGAGAGAAATTCAGTGTCTTAGCTCAAG
 CAGCTTCGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001190999

Insert Size:

4143 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001190999.1, NP_001177928.1</u>
RefSeq Size:	4390 bp
RefSeq ORF:	4143 bp
Locus ID:	679812
Cytogenetics:	1p11