

Product datasheet for **MC204061**

Plekhg6 (NM_198604) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhg6 (NM_198604) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekhg6
Synonyms:	BC026778; Gm155
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026778
 CGGCCCCGTGCTGCCTGGTCCCGCGGGCCGCTCGGTCTAGTCCCAGGCTGGGACAGTGGGGCTGCCATC
 GCCAAGGAAGCTGACAACGACCCAGATTCCACAGTATCCAGCGGACGTCAAGGACAGCGGAAGCTCGGA
 CACCTGCGCTCACAGGCCCTGCCACTGCAAGGGATGGGTCTTCCATCCAGGCTTAGAAAGGAGGGGTGG
 AGTCTGCATCTGACTTCCAGCTCTATCCCTGGTGGTGGCCTCGGCGGCCAGGAAAGACGGAGCTTAGTG
 GGAGACCAGCGGGCTGCCTCAACTAGGGGCATCCCTCCAGACCCTGTCTGACAGCTCTCCTGACTTCGCC
 AGATTGTACGTGGACGTGTGGGTTTCCAGAAAAGGGGATACCCCTTTCTCCTGGACATTGGTGCTAT
 GATCCTCTGGGGGTAACCTCAGGAGAGAAACAATGCAAGCCTTTGGTCTCCAAATGAGGGCCCCCTCCAA
 GGCTGGTAGCTTCCGAATTGAGACTTACGGGGCCGTCATCAGACCTCTGCCACAGCACTGCTGGGA
 ATCTATTTCCAGAGGAGGTCTGGAGTGGACCCTAGTCGCCGACGCCTTCAGCACTATGTCCCCTTTGC
 CAAGGGCTCTGGCCAGACCCGAGGCATGTCTCCTCTGGTGCTTCGGGAACCAGACCCAGAGAAGAGGCAT
 GGAAGCTATTTTGGGTGGGCCACCTCACTCCCCAACTCAAGGAAGTCAACAGGGCCCATGAGCTAG
 AAATAAGGCTGCACATTTCAGCATGTTTGGGATGCCCCGCTGCCACCAGAGGACCGGAGACACTGGGA
 GATAGGAGAGGGAGGTGATGGTGGCCTGACCATGAAAAAGTCTGGAAGGAGCTGGTGCTGGAACACAAG
 GAGATGAACCGCAGCTTTGCCACCAGCAGGAAGCACTGTGGAACTCCTGACCACTGAGCTGATCTACC
 TGAGAAAGCTCAAGATCATGACTGATCTCTGGCAGCTGGTCTGCTGAATTTGCACGGGTGGGGCTGCT
 GACTGAGGTGTCAGCTGAGACCCTGTTTGGAAATGTCCCCAACCTGATTAGAGCCCAACAGAGATTTTGG
 GAGGAGGTGCTGCAGCCCATCTGGAAGACACTCGCACCTCTGGCCAACCTTTGGATCCTGTCAGCTTAC
 AAAATGGCTTCTGACATTTGGCCAGCGGTTCCAACTTACGTCCAGTACTGCCTTCGAGTAAAGCAGAC
 CATGGCTTATGCGCGGGAGCAGCAAGACACGAACCCACTGTTCCACACCTTCGTGCAGTGGTGTGAGAAA
 CACAAGCGCTCCGAAGACAGACGCTGGGTGACTTGCTCATCAAGCCCCACCAGCGCATACCAAATACC
 CACTGCTGCTGCAGGCTGTGCGCAAGAGAAGCCCCGAGCCCCGAGCCCAAGAGGCCCTGAATGCCATGAT
 CGAGGCTGTGGAGTCTTCTCTGCGACACATAAATGGCCAGGTCCGACAGGGTGAAGAGCAGGAGAGTTTG
 ATGGCTGTGGCCAGCGCATAGGACCCTATGAGGTGCTAGAGCCCTCCAGCGAGGAGGTGGAGAAGAAC
 TCGCTCCGTTCTCCACCCTGGATCTGATGACTCTATACTAGGGTTGCCCTGAGTACACCAGGAGCT
 GCTGCTGGAAGGACCTGTGCGGGTGAAGGAGGGACGAGAAGGGAAGATGGATGTGTACCTATTCCTCTTC
 TCCGATGTGCTCCTGGTAACCAAACCTCAACGCAAGGCGGACAGAGCCAAGGTATCCGCTCTCCCTCA
 TGCTGGAGAACTCGTGTGCCGACCACTGCGAGACCCCAACAGCTTCTGTTGATCCACCTCACAGAATT
 CCAGTGTGTCTCCAGTCCCCTCACTGTGCACTGTCCCAGTTCTACAGAGCGTGCACGGTGGCTGGAGAAG
 ACCCAGCATGCTCAGACCACTCTGCAGAAGCTGAAGGGTGAGCAGTACATTCAACAGAAGAGGGAGCTGC
 TGGCCCTCTATCGCAACCAGGGCAGGAGTCCCCCAGCACCAGGCCCTCCACACCTTCGCCTTCCCCGGA
 GGAATCCAGAGCAGTGCCGAGGGGAGGACTTTAGAGTTCGCCATCATCCCCCGCTGGTGGTACTGAG
 GATACAGATGAAGACACGCCCTCCATGCCGGATGACGCCTCAGACTCTGGCTACAGTACCTTGATTCCAA
 GCTCCCCGAAGGATTCTCATTCCCCCTGAACAGGCTTCGGTCCAAGGCTCTTCGTAGAGACCTCGCCT
 CACCTTCTCCACCCTGGAACCTCAGAGACGTCCCCTTGCGCCCCCAGCCTCCCGACCCCCAAGCTCCCCAG
 CGGCGAAGCGCCCCAGAGTTGCCAGAAGGGATCCTAAGAGGAGGCAGTCTACCCAGGAGAGCCCCACCAA
 TCTGGTCGGAGGAGGAAGACGAGACTTTGGCATCAGGGAATGTGGTGGTAGAAACCCTACACAGGGCGCA
 ACGTCGGAGTCCGCTCCCCCACTCTCCCACTCATACTGACTCTGCTGGGAAAGCCCTGGGAGTCTCA
 GATGAAGATGAGGGGCTTCTATCCCCTGAACTCCGCCCCGCTCCCTACGGGAGGACATGCTCAGGGAGA
 TCAGGGAGGAGCTGGCCAACCAAAGGATCGATGGAGCCTCGGAACCGGAATCAGGGAATGGCAAGCCCCG
 GAGGCTGACTCTAGCCCAGCTGCAGAGAATGAGGGTCCCCACATCATACAGCTGGACACGCCCTGTCT
 ACATCAGAAGTATAAGGAATGCTGAGGCCCTTTGATACACCTCCTAGAGAAATTGTCTCCCTAAGAGTGC
 TGGCCACCACCTCCCCGGACTTACCTCAAGGATCCACCTCAAACCAAGCCTGACCCAGGCATCACCTC
 TGAGGACCCTGGAGGTCAAGAACTGAACATTTGTCTCACAGACGAACCCCTGAGCCCTATATAAAAGTG
 CCCAGAAACATGAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_198604
Insert Size: 2364 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).
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:	<u>BC026778</u> , <u>AAH26778</u>
RefSeq Size:	3037 bp
RefSeq ORF:	2364 bp
Locus ID:	213522
UniProt ID:	<u>Q8R0J1</u>
Cytogenetics:	6 F3
Gene Summary:	Guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. Also activates RHOG. Does not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving PLEKHG6, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis (By similarity).[UniProtKB/Swiss-Prot Function]