

Product datasheet for **MC203530**

Plekhg2 (NM_138752) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhg2 (NM_138752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekhg2
Synonyms:	AI194308; Clg; Cslg
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC056971

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TCCCCAGGGATCGCGGTTACGGTCCAGACGCGCGGGACTCCCGACCCCAAGGCCGTGGCTCCCCGGGA
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ACCCTCCCGTTCCAATCCCTGCCAGCCGAGAGTCTTCAGAAGAGGAGGAGGAGGAGGACCTGGAGACA
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Restriction Sites:

AscI-NotI

ACCN:

NM_138752

Insert Size:

3897 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: [BC056971](#), [AAH56971](#)

RefSeq Size: 4338 bp

RefSeq ORF: 3897 bp

Locus ID: 101497

UniProt ID: [Q6KAU7](#)

Cytogenetics: 7 16.71 cM

Gene Summary: May be a transforming oncogene with exchange activity for CDC42. May be a guanine-nucleotide exchange factor (GEF) for RAC1 and CDC42 (PubMed:11839748). Activated by the binding to subunits beta and gamma of the heterotrimeric guanine nucleotide-binding protein (G protein) (By similarity). Involved in the regulation of actin polymerization (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (a). CCDS Note: The coding region has been updated to represent an alternative 5' splice pattern, resulting in the extension of the N-terminus to one that is better supported by available transcript and homology data.