

## Product datasheet for **MC201939**

### **Chn1 (NM\_175752) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Chn1 (NM_175752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chn1
Synonyms:	0610007119Rik; 0710001E19Rik; 1700112L09Rik; 2900046J01Rik; AI413815; ARHGAP2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024796 sequence for NM\_175752  
 CTGACTGCAGGCTGTATGTAGGCATCTCTCATTAGAATGGACATTGACGTGTTGAGCAGAGAAGAAAGC  
 TTTTCAGCAATGTGTCAATTTGTCACAATTGTCAGGCTTTTTAAAAAAGGACTCCCAAGGAGAGATGCTGCA  
 TGCTTTGTATGGTAGCACAGACTGAGTTCTCTGCAGACTCTTAAGTTTTCAGAAGCTTAAATATAGAGC  
 CCTGTTATAAAAGGAAGAGAAATTTGTGTGTTAAATCGGCCCTGTGAAGAAGTGCTTCACTACTCCT  
 GCACCTCCCTGTGCTCTGGTGCCTGGCGTGGCCACGGCTCTCTAGGTTAGGGCTCGGAGCTGGCTGCAGC  
 ATGCTCATGTGCTAGCTGAGTAGAGTTTACCAGGCTGCAGGCTGCACAGGGTTTTTTGGTTTTTGTGTC  
 TTTCTATTCCGTTGAATATCAGAATGCCATCCAAGAGTCTTGGTCGGGGAGGAAAGCTAACAGAGCCAC  
 AGTCCACAAAGCAAACCCGAGGCGCGCAGCAAGGCTTACTGATAGCAGCCTTGGGAATGAAACTGGGC  
 TCTCAAAAGTCATCTGTGACAATCTGGCAACCTCTGAAACTCTTTGCCTATTCGCAGTTGACATCACTTG  
 TTAGAAGAGCAACTCTGAAAGAAAATGAACAAATCCAAAATATGAAAAGGTTTCACAATTTCAAGGTGCA  
 TACGTTCCGAGGGCCACACTGGTGTGAATACTGTGCCAATTCATGTGGGGCCTCATTGCTCAGGGAGTG  
 AAATGTGCAGATTGTGGTTGAATGTTCAAGCAGTGTCCAAGATGGTCCCAATGACTGTAAGCCAG  
 ATCTGAAGCACGTGAAGAAGGTGTACAGCTGTGACCTGACAACGCTCGTAAAAGCTCACATACCAAGCG  
 GCCAATGGTGGTAGACATGTGCATCAGGGAGATCGAGTCCAGAGGTCTTAATTCTGAAGGACTCTACCGA  
 GTGTCAGGATTTAGTGACCTGATTGAAGATGTCAAGATGGCTTTTGATAGAGATGGTGAAGGCGGATA  
 TTTCTGTGAACATGTATGAGGACATCAACATTACTGTTGCACTTAACTGTACTTCAGGGATCTGCC  
 AATTCCTCTCATCACATACGATGCCTACCCCAAGTTTATTGAGTCTGCCAAAATATGGACCCTGACGAG  
 CAATTGGAGACCTTACGAAGCACTGAGATCGCTGCCGCTGCCCACTGCGAGACGCTCCGGTACCTCA  
 TGGCGCATCTCAAGAGAGTGACCCTTATGAGAAGGAGAATCTGATGAGTGCAGAGAACCTGGGATCGT  
 GTTTGGACCAACCCTCATGAGATCCCCAGAGCTCGACCCATGGCCGCTGAAACGACATACGCTATCAG  
 AGACTGGTGGTGGAGCTGCTTATCAAAAACGAAGACATTTTATTTTAGAGTTTTGATTTGAGGAGAAGAA  
 AAATGTTTTACAGATGAAGGAATGTTTTCTAGTAATTTAATTAGCTTCTTAGCTGAATTTCTTCTCGT  
 TAGAGGTTTTGGCCAAATACCCAGATTAATAAGGAAGTTCCTGTCATTCTATAGCACCGCTCAGCTG  
 TCCTTGTAAAACAGTGCACACACGCTTTCTGGTCCCGTAACCCTGGGTGTCTATCATGTTAAGAGAAAC  
 TCAAGCTACTGCATGATTACCCCTTTTTGGTGAGGAAACCCACATTGAGGAATCACAGACTTGTGCCTG  
 CACCACCTCTGCTGGGTTGTCTGTGGTTGTCAACCAGCATGCTTCCAGAGTAACTGTCATGACTTT  
 GCTTTTGGGGTCCATGCCATTGGTTTCTGATGCTTGCACACACACACATAAGCAGTGCCTGGCTGTT  
 ACATCACCATCCCATACCATATGCCAACTCCACAACGGTTTCTTCCAGCTTCTTCTCTCTCTGAC  
 ATAGCGCTTTGCTCCTCAGCAGAAGCCAGATGTGTTTTAGATCTTACTTCAGTACGCTACCAATAAAAATG  
 CACCACACAACATTTTCTGTTAAATTATTGGTTTTCAACTGTAATTTATATTTTTACCTGGCATGCAGT  
 TATTAATTTATTAATTTGGCTTTTAGAAATCAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_175752

**Insert Size:** 1005 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.

**RefSeq:** [BC024796](#), [AAH24796](#)

**RefSeq Size:** 2156 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 108699

**UniProt ID:** [Q91V57](#)

**Cytogenetics:** 2 C3

**Gene Summary:** GTPase-activating protein for p21-rac and a phorbol ester receptor. May play an important role in neuronal signal-transduction mechanisms (By similarity). Involved in the assembly of neuronal locomotor circuits as a direct effector of EPHA4 in axon guidance.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) lacks multiple 5' exons and has an alternate 5' segment, as compared to variant 3. The resulting isoform (1) is shorter and has a distinct N-terminus, as compared to isoform 3.