

## Product datasheet for MR215993

### Chn1 (NM\_029716) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chn1 (NM_029716) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chn1
Synonyms:	0610007119Rik; 0710001E19Rik; 1700112L09Rik; 2900046J01Rik; AI413815; ARHGAP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR215993 representing NM_029716 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCATCAAAGAGTCTTGGTCGGGGAGGAAAGCTAACAGAGCCACAGTCCACAAAGCAAACCCGAGG  
GCCGGCAGCAAGGCTTACTGATAGCAGCCTTGGGAATGAAACTGGGCTCTCAAAGTCATCTGTGACAAT  
CTGGCAACCTCTGAAACTCTTTGCTTATTCGCAGTTGACATCACTTGTTAGAAGAGCAACTCTGAAAGAA  
AATGAACAAATCCAAAATATGAAAAGGTTCACAATTTCAAGGTGCATAGTTCCGAGGGCCACACTGGT  
GTGAATACTGTGCCAACTTCATGTGGGGCCTCATTGCTCAGGGAGTAAAATGTGCAGATTGTGGGTTGAA  
TGTTCAACAAGCAGTGTCCAAGATGGTCCCAATGACTGTAAGCCAGATCTGAAGCACGTGAAGAAGGTG  
TACAGCTGTGACCTGACAACGCTCGTGAAGCTCACATCACCAAGCGGCAATGGTGGTAGACATGTGCA  
TCAGGGAGATCGAGTCCAGAGGTCTTAATTCTGAAGGACTCTACCGAGTGTGAGGATTTAGTGACCTGAT  
TGAAGATGTCAAGATGGCTTTTGATAGAGATGGTGAGAAGGCGGATATTTCTGTGAACATGTATGAGGAC  
ATCAACATTACTGCTGGTGCACCTAAACTGTACTTCAGGGATCTGCCAATTCCTCTCATCACATACGATG  
CCTACCCCAAGTTCATTGAGTCTGCCAAAATTATGGACCCTGACGAGCAATTGGAGACCCCTCACGAAG  
ACTGAGATCGCTGCCGCTGCCACTGCGAGACGCTCCGGTACCTCATGGCGCATCTCAAGAGAGTGACC  
CTTCATGAGAAGGAGAATCTGATGAGTGCAGAGAACCTTGGGATCGTGTTGGACCAACCCTCATGAGAT  
CCCCAGAGCTCGACCCATGGCCGCCCTGAACGACATACGCTATCAGAGACTGGTGGTGGAGCTGCTTAT  
CAAAAACGAAGACATTTTATT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR215993 representing NM\_029716  
Red=Cloning site Green=Tags(s)

MPSKESWSGRKANRATVHKAKPEGRQQGLLIAALGMKLGSKSSVTIWQPLKLFAYSQLTSLVRRATLKE  
 NEQIPKYEKVHNFKVHTFRGPHWCEYCANFMWGLIAQGVKCADCGLNVHKQCCKMVPNDCKPDLKHVKKV  
 YSCDLTTLVKAHITKRPVVDMCIREIESRGLNSEGLYRVSGFSDLIEDVKMAFDRDGEKADISVNMVED  
 INIITGALKLYFRDLPIPLITYDAYPKFIESAKIMDPDEQLETLHEALRSLPPAHCETLRYLMAHLKRVT  
 LHEKENLMSAENLGIVFGPTLMRSPELDPMALNDIRYQRLVVELLIKNEDILF

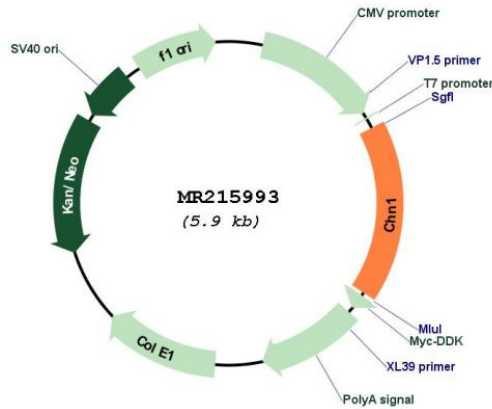
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_029716

**ORF Size:** 1002 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	3251 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	108699
<b>UniProt ID:</b>	<a href="#">Q91V57</a>
<b>Cytogenetics:</b>	2 C3
<b>MW:</b>	24.5 kDa
<b>Gene Summary:</b>	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]