

Product datasheet for **MC216325**

Chn2 (NM_001163640) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chn2 (NM_001163640) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chn2
Synonyms:	1700026N20Rik; 4930557O16Rik; ARHGAP3; Bch
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216325 representing NM_001163640
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCATCCAGCAACTCTAGTCTGTCCGGCTCCTCCGTGTCTCTGATGCTGAGGAATACCAGCCTC
 CAATATGGAAATCATACTTGATCAGCTGCAGCAAGAGGCACCTCGTCCCAAGAGGATCATTGTCCCGG
 GGAGGTGAAAAACAGACCAAAATATTATGGAAGAGAGTTTCATGGGATCATCTCTCGGGAGCAGGCTGAT
 GAGCTTCTAGGCGCGTGGAAAGGTGCCTACATCCTTCGAGAAAGCCAGCGGCAGCCAGGATGCTACACGC
 TGGCACTGAGGTTTGGGAACCAGACCTAAACTACCGGCTCTCCACGACGGGAAGCACTTTGTGGGTGA
 GAAGAGGTTTGAATCCATTCACGACCTGGTGACAGATGGCTTGATCACACTCTACATAGAGACCAAGGCT
 GCTGAGTACATCGCGAAAATGACCACAAATCCCATCTACGAGCACATCGGATACGCCACTCTCTCAGAG
 AAAAGTGTCCCAGGCTGAGCAGGTCTAAAAACGAATCAAGGAAAGCTAGCGTCAGCAACGAGGAGCA
 CAGCCAGTGGAGAAGATCTTCTACTGGTCCGAAGAGCTGCCCTCACACACAACGACAACCACTTCAAC
 TATGAGAAGACACAACTTCAAGGTGCACACATTCGGGGGCCCACTGGTGTGAATACTGTGCCAATT
 TTATGTGGGGGCTCATCGCCAGGGAGTCCGGTGTTCAGATTGTGGGTAAACGTACACAAAACAGTGCTC
 CAAGCAGTCCCCAATGACTGCCAGCCAGATCTCAAGAGGATCAAGAAAGTACTGCTGTGACCTCACC
 ACGCTTGTCAAAGCTCACAACACTCAGAGACCCATGGTGGTGGACATATGTATTCGGGAAATTGAAGCAA
 GAGGATTAAGTCAAGGGCTTTACAGAGTCTCTGGATTCACAGAACACATTGAAGATGTCAAGATGGC
 GTTTGACAGAGATGGTGAAGGCGGATATCTCTGCCAACATCTACCCAGACATAAACATCATCACTGGA
 GCCCTGAAACTGTACTTCCGAGACTTACCCATCCCTATCATCACATATGACACCTACTCCAAATTTATAG
 AGGCAGCAAAAATCTCCAATGCGGATGAGAGGCTGGAAGCTGTCCATGAGGTCTGTCTGCTGCTCC
 TGCCCACTATGAGACCTGCGCTACCTGATGATCCACCTGAAAAAGGTTACCATGAATGAAAAGGACAAT
 TTAATGAATGCCGAAAATCTGGGGATCGTGTGGGCCCAACCCTGATGAGACCCCTGAGGACAGCACCC
 TCACCACCCTCCATGACATGCGGTACCAAAAGCTGATCGTGCAGATTTTAAAGAAAACGAAGATGTTCT
 GTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001163640

Insert Size: 1407 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:	<u>NM_001163640.1, NP_001157112.1</u>
RefSeq Size:	3150 bp
RefSeq ORF:	1407 bp
Locus ID:	69993
Cytogenetics:	6 B3
Gene Summary:	<p>GTPase-activating protein for p21-rac.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate, upstream transcription initiation site, uses a distinct start codon and contains several additional exons, compared to variant 1. The resulting protein (isoform 2, also referred to as beta2-chimerin) has a much longer and distinct N-terminus compared to isoform 1.</p>