

Product datasheet for **SC331662**

CHN 1 (CHN1) (NM_001206602) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CHN 1 (CHN1) (NM_001206602) Human Untagged Clone
Tag: Tag Free
Symbol: CHN 1
Synonyms: ARHGAP2; CHN; DURS2; NC; RHOGAP2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331662 representing NM_001206602.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCATCCAAGAGTCTTGGTCAGGGAGGAAAATAATAGGGCTGCAGTTCACAAATCAAAACAAGAG
GGCCGTACAGCAAGATTTATTGATAGCAGCCTTGGGAATGAACTGGGTTCTCCAAAGTCGTCTGTGACA
ATCTGGCAACCTCTGAACTCTTTGCTTATTGCGAGTTGACATCACTTGTAGAAAGCAACTCTGAAA
GAAAACGAGCAAATTCAAAATATGAAAAGATTACAATTTCAAGGTGCATACATTCAGAGGGCCACAC
TGGTGTGAATACTGTGCCAACTTATGTGGGTCTCATTGCTCAGGGAGTAAAATGTGCAGATTGGT
TTGAATGTTCATAAGCAGTGTTCCAAGATGGTCCCAAATGACTGTAAGCCAGACTGAAGCATGTCAA
AAGGTGTACAGCTGTGACCTTACGACGCTCGTGAAGCACATACCACTAAGCGGCAATGGTGGTAGAC
ATGTGCATCAGGGAGATTGAGCTAGAGGTCTTAATTCGAAGGACTATACCGAGTATCAGGATTTAGT
GACCTAATTGAAGATGTCAAGATGGCTTTCGACAGAGATGGTGAGAAGGCAGATATTTCTGTGAACATG
TATGAAGATATCAACATTACTCTGGTGCACCTAACTGTACTTCAGGGATTTGCCAATTCACCTCATT
ACATATGATGCCTACCCTAAGTTTATAGAATCTGCCAAAATATGGATCCGGATGAGCAATTTGAAAACC
CTTCATGAAGCACTGAACTACTGCCACCTGCTCACTGCGAAACCCTCCGGTACCTCATGGCACATCTA
AAGAGAGTGACCCTCCACGAAAAGGAGAATCTTATGAATGCAGAGAACCCTGGAATCGTCTTTGGACCC
ACCTTTATGAGATCTCCAGAACTAGACGCCATGGCTGCATTGAATGATATACGGTATCAGAGACTGGT
GTGGAGCTGCTTATCAAAAACGAAGACATTTTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001206602
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).



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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: [NM_001206602.1](#)

RefSeq Size: 2294 bp

RefSeq ORF: 1005 bp

Locus ID: 1123

UniProt ID: [P15882](#)

Cytogenetics: 2q31.1

MW: 38.2 kDa

Gene Summary: This gene encodes GTPase-activating protein for ras-related p21-rac and a phorbol ester receptor. It is predominantly expressed in neurons, and plays an important role in neuronal signal-transduction mechanisms. Mutations in this gene are associated with Duane's retraction syndrome 2 (DURS2). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
Transcript Variant: This variant (3) uses an alternate promoter, and is missing several exons from the 5' end compared to variant 1. This results in a shorter isoform (3, also known as alpha 1-chimerin) with a distinct N-terminus compared to isoform 1.