

Product datasheet for **SC322392**

CHN 1 (CHN1) (NM_001025201) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHN 1 (CHN1) (NM_001025201) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHN 1
Synonyms:	ARHGAP2; CHN; DURS2; NC; RHOGAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322392
 GCCAAGCCTCCTGCCTCGCAGGTACCTCCTCCC GCGCGCACGCTCCGCGCCTGATGGCAG
 CGACAAGTGCCGGCTCGCGGAGAGCTAGCGGGGCTCCCTGGGCCCGGTGCGCGCACAAATA
 ACGCGTGAATAACTTTTTCTTGCAGCGGTCCCCCGCTCCCGGCTGCAGCCTCCCCGGG
 CGCCGGCGCCCCAGCACGCCCATCGGGCACCCCACTCTCTCCGAGGTGTGGGTGCGGC
 GGGCTGATGAGGTGATCCCTAGCCCGCTGGGAGGAGCGCCTGGACTCGCGGGCGCGCGC
 GAGCGCCTTACAATGGCCCTGACCCTGTTTGATACAGATGAATATAGACCTCCTGTTTG
 GAAATCTTACTTATATCAGCTACAACAGGAAGCCCTCATCCTCGAAGAATTACCTGTAC
 TTGCGAGGTGAAAAACAGACCAAAGTATTATGGAAGAGAGTTTCATGGCATGATCTCCAG
 AGAAGCAGCCGACCAGCTCTTGATTGTGGCTGAGGGGAGCTACCTCATCCGGGAGAGCCA
 GCGGCAGCCAGGGACCTACACTTTGGCTTTAAGATTTGGAAGTCAAACCAGAACTTCAG
 GCTCTACTACGATGGCAAGCACTTTGTTGGGGAGAAACGCTTTGAGTCCATCCACGATCT
 GGTGACTGATGGCTTGATTACTCTATATTGAAACCAAGGCAGCAGAATACATTGCCAA
 GATGACGATAAACCCAATTTATGAGCACGTAGGATACACAACCTTAAACAGAGAGCCAGC
 ATACAAAAACATATGCCAGTCTGAAAGAGACACATGATGAGAGAGATTCTACAGGCCA
 GGATGGGGTGTGACAGAAAAGGTTGACATCACTTGTTAGAAAGAGCAACTCTGAAAGAAAA
 CGAGCAAATTCAAAATATGAAAAGATTACAATTTCAAGGTGCATACATTTCAGAGGGCC
 AACTGGTGTGAATACTGTGCCAACTTTATGTGGGGTCTCATTGCTCAGGGAGTGAATG
 TGCAGATTGTGGTTTGAATGTTCCATAAGCAGTGTTCAGATGGTCCCAATGACTGTAA
 GCCAGACTTGAAGCATGTCAAAAAGGTGTACAGCTGTGACCTTACGACGCTCGTGAAGC
 ACATACCACTAAGCGCCAATGGTGGTAGACATGTGCATCAGGGAGATTGAGTCTAGAGG
 TCTTAATTCTGAAGGACTATACCGAGTATCAGGATTTAGTGACCTAATTGAAGATGTCAA
 GATGGCTTTCGACAGAGATGGTGAGAAGGCAGATATTTCTGTGAACATGTGAAGATAT
 CAACATTAACACTGGTGCACCTTAACTGTACTTCAGGGATTTGCCAATTCACCTCATTAC
 ATATGATGCCTACCCTAAGTTTATAGAATCTGCCAAAATTATGGATCCGGATGAGCAATT
 GGAAACCCTTCATGAAGCACTGAAACTACTGCCACCTGCTCACTGCGAAACCCTCCGGTA
 CCTCATGGCACATCTAAAGAGAGTGACCCTCCACGAAAAGGAGAATCTTATGAATGCAGA
 GAACCTTGAATCGTCTTTGGACCCACCCTTATGAGATCTCCAGAACTAGACGCCATGGC
 TGCATTGAATGATATACGGTATCAGAGACTGGTGGTGGAGCTGCTATCAAAAACGAAGA
 CATTTTATTTAAATTTTAAATTTGAGGGGAAAAGAAATGTTTTACAGATGAAGGAATGT
 TTTATAGTAATTTAATTTGCTCCTGTAGCTGCATTATTTCTTGATTAGAGGTTTGGGCAT
 ATAACCAGATTAAGTGAAGGAATTTCTGTTGTTTTGTAGCACCGCTCAGCTGTCTTG
 TAAAACAGTGAACACACGCTTTCTGGTTCTAGTAATCCTGGGTGTTTATCACGTTTCAGAG
 AAACCTCAAGCTATTGCATGATTAGCCCCATCTGGCAAGGAAACCCCATACAGAAGAAA
 CAACAAACCTGCGCTGCACCGCTCTGCGTCTGGGTAGTCTGTGCTTGAATCCAGCA
 TGTTTCACAGAGTAAGCCTGTTGTGACTTTGCTTTTGGGGTCTATGTCATTGGTTTCTGA
 TGCTTGTACAAACACGCACACAAAATGGATAAAAACAGCACCTCTGGCTGTTACATTACC
 ATAAACCATATCATATGCCTACATTTTACAAATGATTTCTGGTTTCTCTTAGTTCTTCTC
 TAACATAGTACTTTCTTCCAGCAAAAAGCAAAAATGTGTTTTTCAGATTTGTTACTTTAATA
 AAGGTTATCCATACCAATAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001025201

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_001025201.1</u> , <u>NP_001020372.1</u>
RefSeq Size:	2482 bp
RefSeq ORF:	1380 bp
Locus ID:	1123
UniProt ID:	<u>P15882</u>
Cytogenetics:	2q31.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.</p>