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Product datasheet for SC334900

Chimaerin 2 (CHN2) (NM_001293081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chimaerin 2 (CHN2) (NM_001293081) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHN2
Synonyms:	ARHGAP3; BCH; CHN2-3; RHOGAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001293081, the custom clone sequence may differ by one or more nucleotides

ATGCGAGTCACTTATCGTGGTCTCTGGCACCCAGTCCACACGTTCCGAGGCCCACACTGGTGTGAATATT
GTGCCAATTTCATGTGGGGGCTCATCGCCCAAGGGGTCCGGTGCTCAGACTGTGGATTGAACGTACACAA
ACAGTGTTCCAAGCACGTTCCCAATGACTGCCAACCTGATCTCAAGAGGATCAAGAAAGTGTACTGTTGT
GACCTCACAACACTTGTGAAGGCTCACAACACTCAGAGACCCATGGTGGTAGACATATGCATTCGGGAAA
TTGAAGCAAGAGGATTAAAATCGGAAGGCCTTTACAGAGTCTCTGGGTTCACTGAACACATTGAAGATGT
CAAAATGGCATTTGACAGAGATGGTGAAAAGGCCGATATATCTGCCAATGTCTATCCAGACATAAACATC
ATCACTGGAGCCCTTAAACTGTATTTCAGAGACTTACCCATCCCTGTCATCACATATGATACCTATTCCA
AATTTATAGATGCAGCAAAAATCTCCAATGCAGATGAGAGGCTGGAAGCCGTCCATGAAGTGCTGATGCT
GCTGCCTCCTGCCCACTATGAAACCCTCCGGTACCTAATGATCCACCTCAAAAAGGTTACTATGAATGAA
AAAGACAATTTCATGAATGCAGAAAATCTGGGGATCGTGTTTGGGCCCACTCTGATGAGGCCCCCTGAGG
ACAGCACCCTGACCACCCTGCATGATATGCGGTACCAAAAGCTGATTGTGCAGATTTTAATAGAAAACGA
AGACGTTTTATTCTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001293081
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).

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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:	NM_001293081.1, NP_001280010.1
RefSeq Size:	2530 bp
RefSeq ORF:	786 bp
Locus ID:	1124
Cytogenetics:	7p14.3
Gene Summary:	This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that contains a phorbol-ester/diacylglycerol (DAG)-type zinc finger, a Rho-GAP domain, and an SH2 domain. The encoded protein translocates from the cytosol to the Golgi apparatus membrane upon binding by diacylglycerol (DAG). Activity of this protein is important in cell proliferation and migration, and expression changes in this gene have been detected in cancers. A mutation in this gene has also been associated with schizophrenia in men. Alternative transcript splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, May 2014] Transcript Variant: This variant (14) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (14) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.