

Product datasheet for **SC311374**

CENTG3 (AGAP3) (NM_001042535) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENTG3 (AGAP3) (NM_001042535) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENTG3
Synonyms:	AGAP-3; CENTG3; cnt-g3; CRAG; MRIP-1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001042535, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAACTTCCAGGCGGGCGGGGGCAGAGCCGCGAGCAGCAGAGCCTGGCGGCTCCG GGGGGCGGCGGCGCTGCCGCGCAGCAGCTCGTCTGCGGCGGGCAGTTCGGCGGCGCGGGG CCCGGGGCGGGGGCGGCGGCGGCCCTCGCAGCAGCTGGCCGGCGGGCCCCCAGCAG TTCGCGCTCTCCAATCCGCGGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCCGTGCAT CCCAATATCTACGCCATCTACGACCTGATCGAGCGCATCGAGGATTTGGCGCTGCAGAAC CAGATCCGGGAGCAGTCATCTCCATCGAGGACTCGTTTGTGAACAGCCAGGAGTGGACG CTGAGCCGCTCCGTACCGGAGCTTAAAGTGGGCATAGTGGGAACCTGTCTAGCGGAAG TCAGCCCTGGTGACCGCTATCTGACGGGACCTATGTCCAGGAGGAGTCCCTGAAGGG GGGCGGTTTAAGAAGGAGATTGTGGTGGATGGCCAGAGTTACCTGCTGCTGATCCGAGAT GAAGGAGGCCCCCTGAGCTCCAGTTTGTGCTGCCTGGGTGGATGCAGTGGTGTGTGTTC AGCCTGGAGGATGAAATCAGTTTCCAGACGGTGTACAACACTTCTCCTGCTCTCTGCAGC TTCCGCAACGCCAGCGAGGTGCCATGGTGCTTGTGGGACGCAGGATGCCATCAGCGCT GCGAATCCCCGGGTATCGACGACAGCAGAGCCGCAAGCTCTCCACAGATCTGAAGCGG TGCACCTACTATGAGACGTGCGCGACCTACGGGCTCAATGTGGAGCGTGTCTTCCAGGAC GTGGCCCAGAAGGTAGTGGCCTTGCGAAAGAAGCAGCAACTGGCCATCGGGCCCTGCAAG TCACTGCCCAACTCGCCAGCCACTCGGCCGTGTCCGCCCTCCATCCCGGCCGTGCAC ATCAACCAGGCCACGAATGGCGGCGGCAGCGCCTTCAGCGACTACTCGTCCTCAGTCCCC TCCACCCCAGCATCAGCCAGCGGGAGCTGCGCATCGAGACCATCGCTGCCTCCTCCACC CCCACACCCATCCGAAAGCAGTCCAAGCGGCGCTCCAACATCTTCACGATATGTGCCACT GTTTCCAACCTTTTCATCAACAAAAGGCCTTTCCAACCTCCTTCAAATTAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001042535
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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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_001042535.1</u> , <u>NP_001036000.1</u>
RefSeq Size:	2063 bp
RefSeq ORF:	1191 bp
Locus ID:	116988
UniProt ID:	<u>Q96P47</u>
Cytogenetics:	7q36.1
Gene Summary:	<p>This gene encodes an essential component of the N-methyl-D-aspartate (NMDA) receptor signaling complex which mediates long-term potentiation in synapses by linking activation of NMDA receptor to alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor trafficking. The encoded protein contains an N-terminal GTPase-like domain, a pleckstrin homology domain, an ArfGAP domain and several C-terminal ankryn repeat domains. [provided by RefSeq, Apr 2017]</p> <p>Transcript Variant: This variant (2) lacks several exons in the 3' coding region and includes an alternate 3' terminal exon, compared to variant 1. The encoded isoform (b) has a shorter and distinct C-terminus compared to isoform a. 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.</p>