

Product datasheet for **SC318383**

CENTG3 (AGAP3) (NM_031946) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENTG3 (AGAP3) (NM_031946) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENTG3
Synonyms:	AGAP-3; CENTG3; cnt-g3; CRAG; MRIP-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_031946 edited
 ATGAACTTCCAGGCGGGCGGGGGCAGAGCCCGCAGCAGCAGCAGAGCCTGGCGGCTCCG
 GGGGGCGGCGGCTGCCGCGCAGCAGCTCGTCTCGGCGGGCAGTTTCGGCGGCGGGG
 CCCGGGGCGGGGGCGGGCGGGCCCTCGCAGCAGCTGGCCGGCGGGCCCCCAGCAG
 TTCGCGCTCTCCAATCCGCGGCATCCGGGCCGAGATCCAGCGCTTCGAGTCCGTGCAT
 CCCAATATCTACGCCATCTACGACCTGATCGAGCGCATCGAGGATTTGGCGTGCAGAAC
 CAGATCCGGGAGCAGTCACTCCATCGAGGACTCGTTTGTGAACAGCCAGGAGTGGACG
 CTGAGCCGCTCCGTACCGGAGCTTAAAGTGGGCATAGTGGGGAACCTGTCTAGCGGGAAG
 TCAGCCCTGTTGACCCGCTATCTGACGGGGACCTATGTCCAGGAGGAGTCCCCTGAAGGG
 GGGCGTTTAAAGAAGGAGATTGTGGTGGATGGCCAGAGTTACCTGCTGATCCGAGAT
 GAAGGAGGCCCCCTGAGCTCCAGTTTGTGCTGCTGGTGGATGCAGTGGTGTGTTGTTT
 AGCCTGGAGGATGAAATCAGTTTCCAGACGGTGTACAATACTTCTGCTCTCTGCAGC
 TTCGCAACGCCAGCGAGGTGCCATGGTGTGTTGGGCACGCAGGATGCCATCAGCGCT
 GCGAATCCCGGGTTATCGACGACAGCAGAGCCCGCAAGCTCTCCACAGATCTGAAGCGG
 TGCACCTACTATGAGACGTGCGCGACCTACGGGCTCAATGTGGAGCGTGTCTCCAGGAC
 GTGGCCAGAAGGTAGTGGCCTTGCAGAAAGAAGCAGCAACTGGCCATCGGGCCCTGCAAG
 TCACTGCCCAACTCGCCAGCCACTCGGCCGTGTCGGCCGCTCCATCCCGGCCGTGCAC
 ATCAACCAGGCCAGAAATGGCGGCGGCAGCGCCTTCAGCGACTACTCGTCTCAGTCCCC
 TCCACCCCGAGCATCAGCCAGCGGGAGCTGCGCATCGAGACCATCGTGCCTCCTCCACC
 CCCACACCCATCCGAAAGCAGTCCAAGCGGGCGCTCCAACATCTTCACGTCTCGGAAGGT
 GCTGACCTGGACCGGGAGAAGAAGGCTGCCGAGTGAAGTGGACAGCATCGGGAGCGGC
 CGCGCCATCCCATCAAGCAGGGGATCTGTCTAAAGCGGAGCGGCAAGTCCCTGAACAAG
 GAGTGTGAAGAAGAAGTATGTGACGCTCTGTGACAACGGGCTGCTCACCTATCACCCGAG
 CTGCATGATTACATGCAGAACATCCACGCAAGGAGATTGACCTGCTGCGGACAACGGTG
 AAAGTGCCAGGGAAGCGCCTGCCCGAGCCACACCTGCCACAGCCCGGGCACCAGCCCC
 CGTGCCAACGGGCTGTCCGTGGAGCGGAGTAACACACAGCTGGGTGGGGCACAGGTGCC
 CCCCCTCGGCCAGCAGCGCATCCCTGCACTCTGAGCGCCCCCTCAGCAGCTCGGCCTGG
 GCTGGCCCGGCCCTGAGGGGCTGACCAGCGCTCCTGCTCCGTTTCCAGCGCGGACCAG
 TGGAGTGAAGCCACCCTCCCTGCCCCAGGCATGCAGCACCTGCCAGTGGCCAGCT
 GAGGTACTCAGTTCAGCCCCAAGCTGGATCCTCCCCATCTCCCCACTCAACCCGAAG
 AAGCACCGGAGGAAAAAGAGCACCGGGACCCCCGACCAGACGGCCCCAGCAGTGTACT
 GAAGAGGCAGAGGAGTCGTTTGAATTTGTGGTGGTGTCCCTCACTGGGCAGACGTGGCAC
 TTCGAGGCTTCAACGGCGGAGGAGCGGGAGCTGTGGGTTCAAGTGTGCAGGCCAGATC
 CTTGCCAGCTGCAAGGCTGCCGAGTGCCAAGGACAAGACTCGACTGGGGAACCAGAAC
 GCAGCTCTGGCTGTGCAGGCCGTCCGCACCGTCCGCGGCAACAGCTTTTGTATCGACTGC
 GATGCACCCAATCCAGACTGGGCCAGCCTGAACCTGGGTGCCCTGATGTGCATTGAGTGC
 TCAGGCATCCACCGACACCTGGGGGCTCACCTGTCCCGGTGCGTCCCTTGACCTCGAT
 GACTGGCCGCTGAGCTGCTGGTGTATGACTGCCATGGGCAATGCCCTCGCCAACAGC
 GCTCTGGAGGGGGCCTTGGTGGCTACTCCAAGCCAGGGCCTGATGCCTGCAGAGAGGAG
 AAGGAACGCTGGATACGGGCAAGTATGAACAGAAGCTTCTTGCCCCACTGCCAAGC
 TCAGATGTGCCACTGGGCGAGCAGCTGCTCCGGGCCGTGGTGAAGATGACCTGCGGCTG
 TTGGTGTGCTCCTGGCACATGGCTCCAAGAGGAGGTGAATGAGACCTATGGGACGGG
 GACGGGCGGACGGCTCTACATCTCTCCAGTGCCATGGCCAACGTTGTCTTACGCAGCTG
 CTCATCTGGTACGGGTGGACGTGAGGAGCCGGGACGCCCGGGGCTGACTCCACTGGCA
 TATGCTCGCCGGGCGGCGAGCCAGGAGTGTGCAGACATCTTGATCCAGCATGGCTGCCCT
 GGGGAGGGCTGTGGCTTAGCGCCTACCCCCAACAGAGAGCCTGCCAATGGCACCAACCCC
 TCTGCTGAGCTGCACCGTAGTCTAGCCTCCTATAA

Restriction Sites: Please inquire
ACCN: NM_031946
Insert Size: 3300 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_031946.4.
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_031946.4, NP_114152.3</u>
RefSeq Size:	3247 bp
RefSeq ORF:	2736 bp
Locus ID:	116988
UniProt ID:	<u>Q96P47</u>
Cytogenetics:	7q36.1
Domains:	ArfGap, PH, ANK, RAS, RAB
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 (1) represents the longest transcript and encodes the longest 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>