

## Product datasheet for **SC309432**

### GCC2 (NM\_181453) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GCC2 (NM_181453) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCC2
Synonyms:	GCC185; RANBP2L4; REN53
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181453, the custom clone sequence may differ by one or more nucleotides

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CAAGGTGAGGAAGAAAATGCTTCCCCTTCTTGGATGGGCATCCTATCTTCATAGTTGG  
TCTGGACTTCGATAG
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_181453
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181453.2</a> , <a href="#">NP_852118.1</a>
<b>RefSeq Size:</b>	6918 bp
<b>RefSeq ORF:</b>	5055 bp
<b>Locus ID:</b>	9648
<b>UniProt ID:</b>	<a href="#">Q8IWJ2</a>
<b>Cytogenetics:</b>	2q12.3
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a peripheral membrane protein localized to the trans-Golgi network. It is sensitive to brefeldin A. This encoded protein contains a GRIP domain which is thought to be used in targeting. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. CCDS Note: This CCDS representation does not have any full-length human transcript support, but it is supported by overlapping partial transcript evidence, including AF432211.1, AK090813.1, AK308707.1, and several tiled ESTs. This representation is also supported by studies in PMID:18946081, which functionally characterizes this protein, and by homology support in mouse (NP_081651.2, CCDS23859.1) and rat (NP_001101103.1). PMID:18243103 also describes a partial crystal structure for this protein.</p>