

Product datasheet for **RC219795**

GCC2 (NM_181453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCC2 (NM_181453) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GCC2
Synonyms:	GCC185; RANBP2L4; REN53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219795 representing NM_181453 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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CAAACAGAACTGGGGGAATCTGCTGAAAAATAAGTCAAGAGTTCGAATCAATGAAGCAACAGCAAGCAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC219795 representing NM_181453
Red=Cloning site Green=Tags(s)

MEDLVQDGVASPATPGTGKSKLETLPKEDLIKFAKKQMMLIQKAKSRCTELEKEIEELRSKPVTEGTGDI
IKALTERLDALLEKAETEQQCLSLKKNENIKMKQEVEDSVTKMGDAHKELEQSHINYVKEIENLKNELMA
VRSKYSEDKANLQKQLEEAMNTQLELSEQLKFQNNSEDNVKKLQEEIEKIRPGFEEQILYLQKQLDATT
EKKETVTQLQNIIEANSQHYQKNINSLQEELLQLKAIHQEEVKELMCQIEASAKEHEAEINKLNELKENL
VKQCEASEKNIQKQYECLENLRKATSNANQDNQICSIILLQENTFVEQVVNEKVKHLEDTLKELESQHSI
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QLFQLKNEPTTRSPVSSQSLKNLRERRNTDPLLDHMTVTREEGEGMETTDTESVSSASTYTQSLEQLL
NSPETKLEPPLWHAFTKEELVQKLSSTTKSADHLNGLLRETEATNAILMEQIKLLKSEIRRLERNQERE
KSAANLEYLKNVLLQFIFLKPGERERLLPVINTMLQLSPEEKGLAAVAQGEENASRSSGWASYLHSW
SGLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_181453

ORF Size: 5052 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_181453.3](#)

RefSeq Size: 6918 bp

RefSeq ORF: 5055 bp

Locus ID: 9648

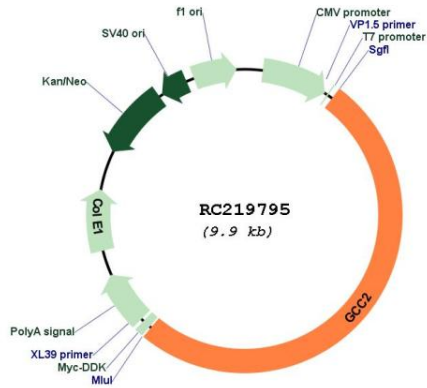
UniProt ID: [Q8IWI2](#)

Cytogenetics: 2q12.3

MW: 195.7 kDa

Gene Summary: 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]

Product images:



Circular map for RC219795