

Product datasheet for **RR213995**

Gcc2 (NM_001107633) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcc2 (NM_001107633) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gcc2
Synonyms:	Lims1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213995 representing NM_001107633 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RR213995 representing NM_001107633
 Red=Cloning site Green=Tags(s)

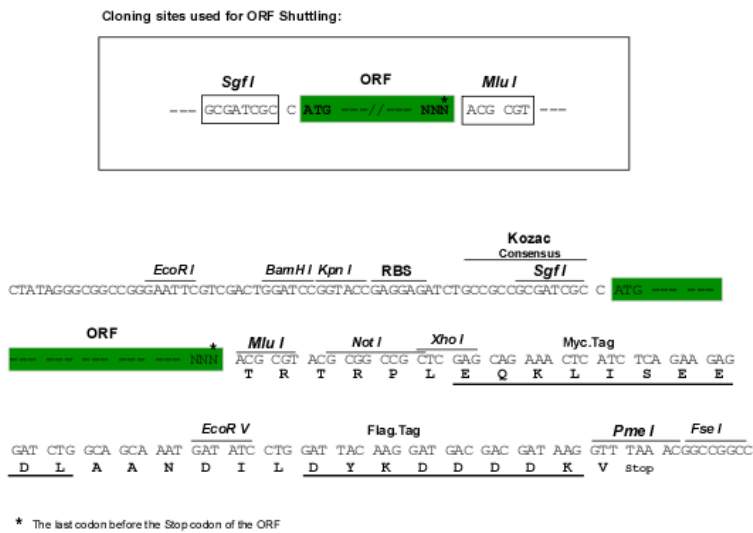
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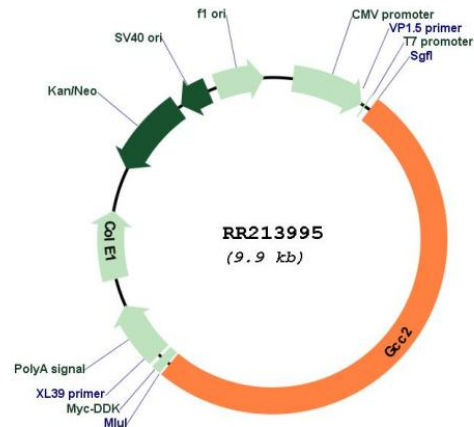
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107633

ORF Size: 5037 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_001107633.1](#), [NP_001101103.1](#)

RefSeq Size: 6526 bp

RefSeq ORF: 5040 bp

Locus ID: 309798

UniProt ID: [D3ZZL9](#)

Cytogenetics: 20q11

MW: 195.1 kDa

Gene Summary: Golgin which probably tethers transport vesicles to the trans-Golgi network (TGN) and regulates vesicular transport between the endosomes and the Golgi. As a RAB9A effector it is involved in recycling of the mannose 6-phosphate receptor from the late endosomes to the TGN. May also play a role in transport between the recycling endosomes and the Golgi. Required for maintenance of the Golgi structure, it is involved in the biogenesis of noncentrosomal, Golgi-associated microtubules through recruitment of CLASP1 and CLASP2 (By similarity).[UniProtKB/Swiss-Prot Function]