

Product datasheet for **RC235837**

GRCC10 (C12orf57) (NM_001301834) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GRCC10 (C12orf57) (NM_001301834) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GRCC10
Synonyms: C10; GRCC10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235837 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTCCGCTCGACCAACCGCGGCCTTGAGCGCTGAGCAAGCAAAGGTGGTCTCGCGGAGGTGA
TCCAGGCGTTCTCCGCCCGGAGAATGCAGTGCAGTGGACGAGGCTCGGATAACGCCTGCAACGACAT
GGGTAAGATGCTGCAATTCGTGCTGCCGTGGCCACGCAGATCCAGCAGGAGGTTATCAAAGCCTATGGC
TTCAGTGCAGCGGGGAAGGTGTCCTTAAGTTTGTCTGCTTGGTCAAGTCTACGAAGCCCAGGATCCTG
AGATCGCCAGCCTGTGAGCAAGCTGAAGGCGCTGTTTCTGCCGCCATGACCCTGCCACCCCATGGCC
TGCTGCTGGTGGCAGCGTGGCCGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235837 protein sequence
Red=Cloning site Green=Tags(s)
MASASTQPAALSAEQAKVVLAEVIQAFSAPENAVRMDIARDNACNDMGKMLQFVLPVATQIQQEVIKAYG
FSCDGEVLFKARLVKSYEAQDPEIASLSGKLLKALFLPMTLPPHGAAGGSVAAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6419_h10.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001301834

ORF Size: 378 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_001301834.1](#), [NP_001288763.1](#)

RefSeq Size: 665 bp

RefSeq ORF: 381 bp

Locus ID: 113246

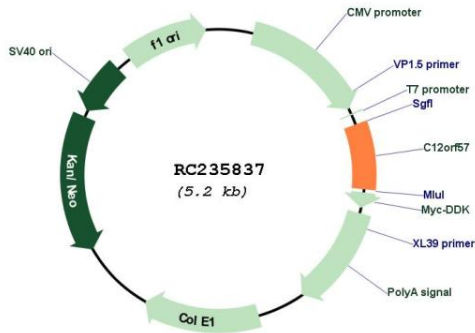
UniProt ID: [Q99622](#)

Cytogenetics: 12p13.31

MW: 13.2 kDa

Gene Summary: This gene is ubiquitously expressed in human tissues. It is required for development of the human corpus callosum. Mutations in this gene are associated with Temtamy syndrome (TEMYS). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RC235837