

Product datasheet for **SC324999**

FCGRT (NM_001136019) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FCGRT (NM_001136019) Human Untagged Clone
Tag: Tag Free
Symbol: FCGRT
Synonyms: alpha-chain; FCRN
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001136019 edited
GTCGTCCTCTCAGCATGGGGTCCCGCGCCTCAGCCCTGGGCGCTGGGGCTCCTGCTCT
TTCTCCTTCTGGGAGCCTGGGCGCAGAAAGCCACCTCTCCTCCTGTACCACCTTACCG
CGGTGTCCTCGCCTGCCCGGGACTCCTGCCTTCTGGGTGTCCGGCTGGCTGGGCCCGC
AGCAGTACCTGAGCTACAATAGCCTGCGGGGCGAGGCGGAGCCCTGTGGAGCTTGGGTCT
GGGAAAACCAGGTGTCCTGGTATTGGGAGAAAGAGACCACAGATCTGAGGATCAAGGAGA
AGCTCTTTCTGGAAGCTTTCAAAGCTTTGGGGGAAAAGGTCCCTACACTCTGCAGGGCC
TGCTGGGCTGTGAACTGGGCCCTGACAACACCTCGGTGCCACCGCCAAGTTCCGCCTGA
ACGGCGAGGAGTTCATGAATTTGACCTCAAGCAGGGCACCTGGGGTGGGACTGGCCCG
AGGCCCTGGCTATCAGTCAGCGGTGGCAGCAGCAGGACAAGGCGCCAACAAGGAGCTCA
CCTTCTGCTATTCTCCTGCCCGCACCGCCTGCGGGAGCACCTGGAGAGGGGCCCGCGAA
ACCTGGAGTGGAAGGAGCCCCCTCCATGCGCCTGAAGGCCGACCCAGCAGCCCTGGCT
TTTCCGTGCTTACCTGCAGCGCCTTCTCCTTCTACCCTCCGGAGCTGCAACTTCGGTTCC
TGCGGAATGGGCTGGCCGCTGGCACCGGCCAGGGTGACTTCGGCCCCAACAGTGACGGAT
CCTTCCACGCCTCGTCGTCACCTAACAGTCAAAGTGGCGATGAGCACCCTACTGCTGCA
TTGTGACAGCAGCGGGGCTGGCGCAGCCCTCAGGGTGGAGCTGGAATCTCCAGCCAAGT
CCTCCGTGCTCGTGGTGGGAATCGTCATCGGTGTCTTGCTACTCACGGCAGCGGCTGTAG
GAGGAGCTCTGTTGTGGAGAAGGATGAGGAGTGGGCTGCCAGCCCTTGGATCTCCCTTC
GTGGAGACGACACCGGGTCTCCTGCCACCCAGGGGAGGCCAGGATGCTGATTTGA
AGGATGTAATGTGATTCCAGCCACCGCCTGACCATCCGCCATTC

Restriction Sites: Please inquire
ACCN: NM_001136019
Insert Size: 1100 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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.

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_001136019.1](#), [NP_001129491.1](#)

RefSeq Size: 1433 bp

RefSeq ORF: 1098 bp

Locus ID: 2217

UniProt ID: [P55899](#)

Cytogenetics: 19q13.33

Protein Families: Transmembrane

Gene Summary: This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.