

Product datasheet for **RR203150**

Fcgr1a (NM_001100836) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fcgr1a (NM_001100836) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fcgr1a
Synonyms: FcgammaRI; Fcgr1; Fcgr1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR203150 representing NM_001100836
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCTTCTAACGACTCTGCTACTTTGGGTTCCAGTTGGTGGGCAAGTAGTTAATGCCACAAAGGCTG
TGGTCACCTTGCAGCCCCATGGCTCAGCATTTCCAGGAGGAAAATGCACTTTGTTGTGTGAGGGACC
TCACCTGGGAGACAGTTCCACAAAGTGGTTTATCAACAGCACAGCCATTCAGATCTCCACACCTACCTAT
AGCATCCTCAAGGCCAGTTTCAAGGACAGTGGTGAATACAAGTGTGACAGAGTCTCTCAATGCCAAGTG
ACCCTGTGCAGTTAGAAATCTACAGAGATTGGCTGCTACTCCAGACCTCCACAGAGTCTCACAGAAGG
AGAGCCTCTGGCCTTGAGGTGTACCCGTGGCAGAATAAGAAAGTGTACAATGTGGCTTTCTATCGAAAT
GGAGAATCCCTTGACTTTTCTCAAGTTTCAAGGTCACCAATTCTGAAAACCAACCTGAGTCACAGCGGCA
TCTATCACTGCTCAGCCATGGGAAAAAACTCTCAAGTCTGCAGGAGTGTCTGTACCCGTGAAAGAGCT
ATTTGCCACACCAGTGTGAGAGTGTCTTGTCTCCTTCCCGGAGGGGAGTCTGGTCATCCTGAAC
TGTGAGACAAGATTGTTCTGAGAGTCTGGCTTACGGCTTACTTCTCCTTCTATGTGGGCAGTAAGA
TCCTGGAGGACAGGAGCACATCCTCCGAGTACCACATACCAAGGGCTGAAAGGGAAGATGATGGATCATA
CTGGTGCAGGTTAGCCACGGAGGACGGCCGTGTCTTAAGCGCAGCACCAAGTTGGAGCTATTTGGTCCC
CAGTCATCAGATCCTGTCTGGTTTACATCCTATTTTATCTGTGAGTGGGAATAATGTTTTGGTGAACA
CAGTTCTCTATGTGAAAATACACAGGCTGCAGAGAGAGAAAAATACAATTTAGAAGTCCCTTTGGTTTC
TGAGAAGGGGAAGAAAGCAACTCCTTTTCCAGCAAGTTAGAAGCGATGACGTGTATGAAGAAGTAACAGCC
ACTGTAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR203150 representing NM_001100836
Red=Cloning site Green=Tags(s)

MWLLTLLLLWVPVGGQVVNATKAVVTLQPPWLSIFQEENVTLTLLCEGPHLGDSSTKWFINSTAIQISTPTY
 SILKASFKDSGEYKCQTGLSMPSPDVQLEIYRDWLLQTSHRVLTEGEPLALRCHPWQNKVYNVAFYRN
 GESLDFSQGSSEVTILKTNLSHSGIYHCSAMGKKLFKSAGVSVTVKELFATPVLRVLSLSSPFPEGSLVILN
 CETRLFLQSPGLRLYFSFYVGSKILEDRTSSEYHIPRAEREDDGSYWCVEVATEDGRVLKRSTKLELFGP
 QSSDPVWFHILFYLSVGIMFLVNTVLYVKIHRQLQREKKYNLEVPLVSEKGGKATSFQQVRSDDVYEEVTA
 TVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1874_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

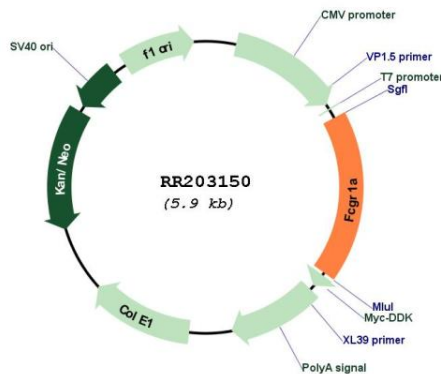
ACCN: NM_001100836

ORF Size: 1059 bp

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 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:	<ol style="list-style-type: none"> 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:	<u>NM_001100836.1, NP_001094306.1</u>
RefSeq Size:	1265 bp
RefSeq ORF:	1062 bp
Locus ID:	295279
Cytogenetics:	2q34
MW:	40.4 kDa
Gene Summary:	human homolog is a high-affinity receptor for immunoglobulin G [RGD, Feb 2006]

Product images:


Circular map for RR203150