

Product datasheet for **RR208277**

Fcgr2a (NM_053843) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Fcgr2a (NM_053843) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Fcgr2a |
| Synonyms: | Fcgr3; Fcgr3a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RR208277 representing NM_053843 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTTGGAGACCCAGATGTTTCAGAATGCACATTCTGGAAGCCAATGGCTACTCCCACCACTGACAA
TGTTGCTGCTGTTTGTCTTTCAGACAGGCAGACGGGAGATCTTCTGAAGGCTGTGGTGAACGTGATCC
CCCATGGATCCAGGTGCTCAAGGACGACACTGTGACGCTGACGTGCGAAGGGACCCACAATCCTGGAAAC
TCTTACCCAGTGGTTCCACAACCAGAGCTCCACCTGGGCCAGGTCCAAGCCAGCTACACGTTTAAGG
CCACAGTCAATGACAGTGGAGAATACCGGTGCCGAATGGCGCACACCAGCCTCAGCGACCCCGTACATCT
GGAAGTGATTTCTGACTGGCTGCTGCTCCAGACCCTCAACTGGTGTCTGGAAGGAGAAAGAATCACA
TTGAGGTGTCACGGCTGGAAGAGCATACAGCTGGCCAGGATTTTCATTCCCTCCAGAATGGAGAATTTGTG
CATTTTCATCCTTATAATGTTAGCTACTCCATCTCAAACGCCAACCACAGTCACAGTGGGGACTACTG
CAAAGCATATCTAGGAAGGACAGAACACGTGTCCAAGCCTGTCCACCATCACTGTCCAAGTTTCAGCAACG
GCGTCCACCAGCTCTCTAGTGTGGTTCCATGCCGCTTCTGCCTAGTGATGTGCCCTGTTTGCAGTGG
ACACCGGCCTGTATTTCTGTGTACGGAGAAATCTCAAACCTCGGGGAGGACTGGAGGAGATCCCTGTC
AGTCGAAAGTACAAGGCTCCACAGGACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208277 representing NM_053843
Red=Cloning site Green=Tags(s)

MTLETQMFQNAHSGSQWLLPPLTMLLLFAFADRQTGDLLKAVVKRDPPIQVLKDDTVTLTCEGTHNPGN
 SSTQWFHNQSSTWGQVQASYTFKATVNDSEYRCRMAHTSLSDPVHLEVISDWLLLQTPQLVFLGERIT
 LRCHGWKSIQLARISFLQNGEFVSFHPYVNSYSISNANHSHSGDYCKAYLGRTEHVSKPVTITVQGSAT
 ASTSSLVWFHAAFCLVMCLLFAVDTGLYFCVRRNLQTSGEDWRRSLVGVKYPAPQDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_053843

ORF Size: 801 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_053843.2](#), [NP_446295.2](#)

RefSeq Size: 1424 bp

RefSeq ORF: 804 bp

Locus ID: 116591

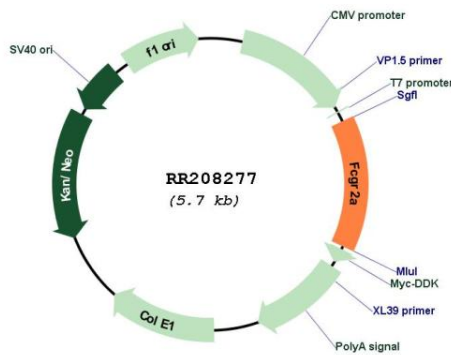
UniProt ID: [P27645](#)

Cytogenetics: 13q24

MW: 30.2 kDa

Gene Summary: receptor that binds immunoglobulin gamma [RGD, Feb 2006]

Product images:



Circular map for RR208277