

Product datasheet for **RR213271**

Fcgr2b (NM_175756) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fcgr2b (NM_175756) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fcgr2b
 Synonyms: CD32; FcgammaRIIB2; Fcgr2; FCR2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR213271 representing NM_175756
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGCAACAGGACTGTCGTCATGTGCTCTCACGGACTTTGTACCATATGCTACTGTGGACAGCTG
 TGCTAAATCTTGTGCTGAGTCTCATGCAGGTCTCCGAAGGCTGTGGTAAAACCTTGAGCCCCATGGAT
 CCAGGTGCTTAAGGAAGACACTGTGACTGATGTGCGAAGGGACCCACAACCAAGAAGCTGTTCTACT
 CAGTGGTTTCACAATGGGAGCTCCATCTGGCATCAAGCCCAAGCCAACTACACGTTTAAGGCCACAGTCA
 ATGATAGTGGAGAATACCGGTGCCGAATGGAGGAGACCGGCATCAGCGAACCCATACATCTGGGAGTGAT
 TTCTGACTGGCTGCTACTCCAGACCTCTCAACTGGTGTGTTGAAGAAGGGGAAACCATCACATTAAGGTGC
 CATAGCTGGAAGAACAACAGCTGACTAAGGTCTTGTGTTCCAGAATGGAAAACCTGTGAGGTATTATC
 ATCAAAGCAGCAATTTTCAATCCCAAAGCCAACCACAGTCACAGTGGGAACTACTATTGCAAAGCATA
 TCTAGGAAGGACAATGCACGTGTCCAAGCCTGTCAACATCACTGTCCAAGAGCCCAATCCAGCAGTTCG
 TTGCCGGTATTGACGATTGTAGCTGCTGCTGCGTGAATTGCTGTAGCTGCCATTGTTATTATCCTGGTAT
 CCTTGGTCTATCTCAAGAAAAGCAGGTTCCAGACTCCTTCTGGTCTCGAAGAAGCTGAGAAAAATGA
 GGTGGAGAATAACAATCACCTATTCACCTTCTCAAGCATCCTGAAGCTCCGGATGAAGAATCAGATCACGAC
 TACCAGAACCACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213271 representing NM_175756
 Red=Cloning site Green=Tags(s)

MDSNRTVVHLSRTL YHMLLWTA VLNLVAESHAGLPKAVVKLEPPWIQVLKEDVTLMCEGTHNTKNCST
 QWFHNGSSIWHQAQANYTFKATVNDSGEYRCRMEETGISEPIHLGVISDWLLQLTSQLVFEEGETITLRC
 HSWKNKQLTKVLLFQNGKPVRYHHQSSNF SIPKANSHSGNYCKAYLGR TMHVS KPVTITVQEPKSSSS
 LPVLTIVA AVAGIAVA AIV IILVSLVYLK KKKQVPDTPSGLEEA EKNEVENTITYSLLKHPEAPDEESDHD
 YQNH I

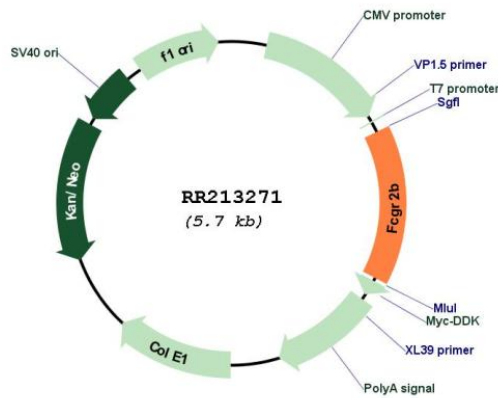
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175756

ORF Size: 855 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:	<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:	NM_175756.1 , NP_786932.1
RefSeq Size:	1414 bp
RefSeq ORF:	858 bp
Locus ID:	289211
UniProt ID:	Q63203
Cytogenetics:	13q24
MW:	32 kDa
Gene Summary:	Binds to the Fc region of immunoglobulins gamma. Low affinity receptor. By binding to IgG it initiates cellular responses against pathogens and soluble antigens.[UniProtKB/Swiss-Prot Function]