

Product datasheet for MC207272

Fcgr2b (NM_010187) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Fcgr2b (NM_010187) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fcgr2b |
| Synonyms: | A1528646; CD32; F630109E10Rik; Fcgr2; Fcgr2a; FcgRII; Fcr-2; Fcr-3; fcRII; Fc[g]RII; Ly-17 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC207272 representing NM_010187 Red=Cloning site Blue=ORF |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCTGCCGTTCTACTGATCCCCATGGAGAGCAACTGGACTGTTCATGTGTTCTCACGGACTT
TGTGCCATATGCTACTGTGGACAGCCGTGCTAAATCTTGCTGCTGGGACTCATGATCTTCCAAAGGCTGT
GGTCAAACCTCGAGCCCCCGTGGATCCAGGTGCTCAAGGAAGACACGGTGACACTGACATGCGAAGGGACC
CACAACCTGGGAACCTTCTACCCAGTGGTCCACAATGGGAGGTCCATCCGGAGCCAGGTCCAAGCCA
GCTACACGTTTAAGGCCACAGTCAATGACAGTGGAGAATATCGGTGTCAAATGGAGCAGACCCGCTCAG
CGACCCGTGATAGTCTGGGAGTGATTTCTGACTGGCTGCTGCTCCAGACCCCTCAGCTGGTGTCTTGAA
GGGAAAACCATCACGCTAAGGTGCCATAGCTGGAGGAACAAACCACTGAACAGGATCTCGTTCTTCCATA
ATGAAAAATCCGTGAGGTATCATCACTACAGTAGTAATTTCTCTATCCAAAAGCCAACCACAGTCACAG
TGGGGACTACTACTGCAAAGGAAGTCTAGGAAGGACACAGCACCAGTCCAAGACTGTCACCATCACTGTC
CAAGGGCCCAAGTCCAGCAGGTCTTTACCAGTATTGACAATTGTGGCTGCTGCTACTGGGATTGCTGCG
CAGCCATTGTTATTATCCTAGTATCCTTGGTCTATCTCAAGAAAAACAGGTTCCAGACAATCCTCCTGA
TCTGGAAGAAGCTGCCAAAACCTGAGGCTGAGAATACGATCACCTACTCACTTCTCAAGCATCCCGAAGCC
CTGGATGAAGAAACAGAGCATGATTACCAGAACCACATTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_010187 |
| Insert Size: | 882 bp |



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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>BC038070</u> , <u>AAH38070</u> |
| RefSeq Size: | 1407 bp |
| RefSeq ORF: | 882 bp |
| Locus ID: | 14130 |
| UniProt ID: | <u>P08101</u> |
| Cytogenetics: | 1 78.02 cM |
| Gene Summary: | Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of antigen-antibody complexes from the circulation and modulation of antibody production by B-cells. Isoform IIB1 and isoform IIB1' form caps but fail to mediate endocytosis or phagocytosis. Isoform IIB2 can mediate the endocytosis of soluble immune complexes via clathrin-coated pits. Isoform IIB1 and isoform IIB2 can down-regulate B-cell, T-cell, and mast cell activation when coaggregated to B-cell receptors for AG (BCR), T-cell receptors for AG (TCR), and Fc receptors, respectively.[UniProtKB/Swiss-Prot Function] |