

Product datasheet for MR204036

Fcgr2b (NM_010187) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcgr2b (NM_010187) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR204036 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCTGCCGTTCTACTGATCCCCATGGAGAGCAACTGGACTGTTCATGTGTTCTCACGGACTT
TGTGCCATATGCTACTGTGGACAGCCGTGCTAAATCTTGCTGCTGGGACTCATGATCTTCCAAAGGCTGT
GGTCAAACCTCGAGCCCCGTGGATCCAGGTGCTCAAGGAAGACACGGTGACACTGACATGCGAAGGGACC
CACAACCCTGGGAACCTTCTACCCAGTGGTCCACAATGGGAGGTCCATCCGGAGCCAGGTCCAAGCCA
GCTACACGTTTAAAGGCCACAGTCAATGACAGTGGAGAATATCGGTGTCAAATGGAGCAGACCCGCTCAG
CGACCCTGTAGATCTGGGAGTGATTTCTGACTGGCTGCTGCTCCAGACCCTCAGCTGGTGTCTTCTGGAA
GGGAAAACCATCACGTAAGGTGCCATAGCTGGAGGAACAACCACTGAACAGGATCTCGTTCTTCCATA
ATGAAAAATCCGTGAGGTATCATCACTACAGTAGTAATTTCTCTATCCAAAAGCCAACCACAGTCACAG
TGGGGACTACTACTGCAAAGGAAGTCTAGGAAGGACACAGCACCAGTCCAAGACTGTCACCATCACTGTC
CAAGGGCCCAAGTCCAGCAGGTCTTTACCAGTATTGACAATTGTGGCTGCTGCTACTGGGATTGCTGTCG
CAGCCATTGTTATTATCCTAGTATCCTTGGTCTATCTCAAGAAAAACAGGTTCCAGACAATCCTCCTGA
TCTGGAAGAAGCTGCCAAAACCTGAGGCTGAGAATACGATCACCTACTCACTTCTCAAGCATCCCGAAGCC
CTGGATGAAGAAACAGAGCATGATTACCAAGAACACATT

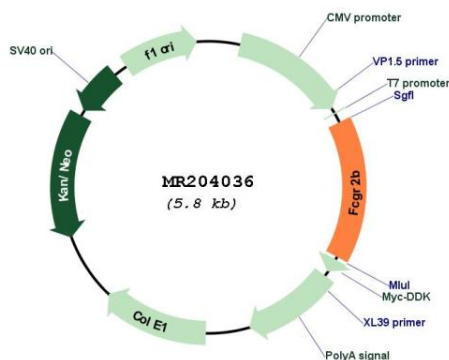
ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_010187.1</u> , <u>NM_010187.2</u> , <u>NP_034317.1</u>
RefSeq Size:	1415 bp
RefSeq ORF:	882 bp
Locus ID:	14130
UniProt ID:	<u>P08101</u>
Cytogenetics:	1 78.02 cM
MW:	33 kDa
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]

Product images:



Circular map for MR204036