

Product datasheet for **RC232337**

CD16b (FCGR3B) (NM_001271035) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD16b (FCGR3B) (NM_001271035) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FCGR3B
Synonyms: CD16; CD16A; CD16b; FCG3; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232337 representing NM_001271035
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTGGAGGGACTGGGAAAGGCTGTTACTCCCTCCTGTCTAGTCGGCTTGGTCCCTTAGGGCTCC
GGATATCTTTGGTGACTTGCTCACTCCAGTGTGGCATCATGTGGCAGCTGCTCCTCCAAGTCTGCTGCT
ACTTCTAGTTTCAGCTGGCATGCGGACTGATCTCCAAAGGCTGTGGTGTCTGGAGCCTCAATGGTAC
AGCGTGCTTGAGAAGGACAGTGTGACTCTGAAGTGCCAGGGAGCCTACTCCCTGAGGACAATCCACAC
AGTGGTTTCACAATGAGAACCTCATCTCAAGCCAGGCCTCGAGCTACTTATTGACGCTGCCACAGTCAA
CGACAGTGGAGAGTACAGGTGCCAGACAAACCTCTCCACCCTCAGTGACCCGGTGCAGCTAGAAGTCCAT
ATCGGCTGGCTGTTGCTCCAGGCCCTCGGTGGGTGTTCAAGGAGGAAGACCCTATTACCTGAGGTGTC
ACAGCTGGAAGAACACTGCTCTGCATAAGGTACATATTTACAGAATGGCAAAGACAGGAAGTATTTTCA
TCATAATTCTGACTTCCACATTCAAAAGCCACACTCAAAGATAGCGGCTCCTACTTCTGCAGGGGGCTT
GTTGGGAGTAAAAATGTGCTTCAGAGACTGTGAACATCACCATCAAGGTTTGGCAGTGTCAACCA
TCTCATATTCTCTCCACCTGGGTACCAAGTCTCTTTCTGCTTGGTGATGGTACTCCTTTTGCAGTGGA
CACAGGACTATATTTCTCTGTGAAGACAAACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232337 representing NM_001271035
Red=Cloning site Green=Tags(s)

MGGGTGERLFTPSCLVGLVPLGLRISLVTCP LQCGIMWQLLLPTALLLLVSAGMRTDLPKAVVFLEPQWY
 SVLEKDSVTLKCGAGAYSPEDNSTQWFHNENLISSQASSYFIDAATVNDSGEYRCQTNLSTLSDPVQLEVH
 IGWLLLQAPRWVFKEEDPIHLRCHSWKNTALHKVTYLQNGKDRKYFHHNSDFHHPKATLKDSGSYFCRGL
 VGSKNVSSETVNIITITQGLAVSTISSFPPGYQVSFCLVMVLLFAVD TGLYF SVKTNII

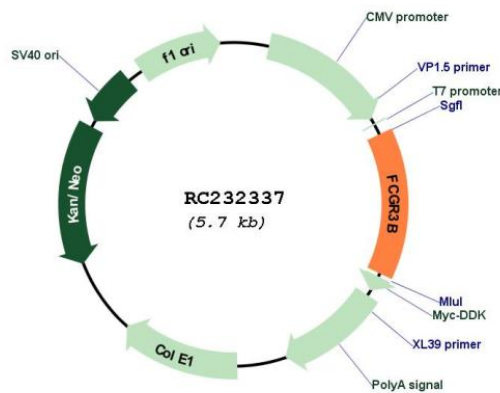
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271035
ORF Size: 804 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_001271035.1 , NP_001257964.1
RefSeq Size:	2391 bp
RefSeq ORF:	699 bp
Locus ID:	2215
UniProt ID:	O75015
Cytogenetics:	1q23.3
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity, Systemic lupus erythematosus
MW:	30.2 kDa
Gene Summary:	The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012]