

Product datasheet for **SC330918**

CD16b (FCGR3B) (NM_001271035) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD16b (FCGR3B) (NM_001271035) Human Untagged Clone
Tag: Tag Free
Symbol: FCGR3B
Synonyms: CD16; CD16A; CD16b; FCG3; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330918 representing NM_001271035.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

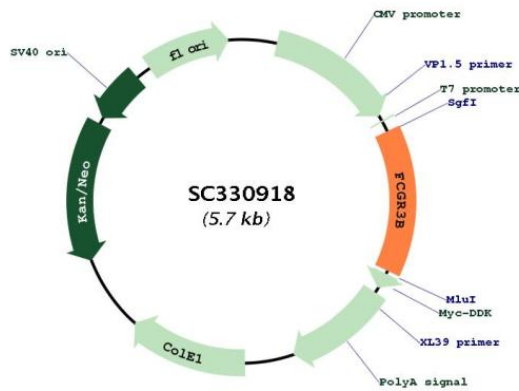
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ATGGGTGGAGGGACTGGGAAAGGCTGTTACTCCCTCCTGTCTAGTCGGCTTGGTCCCTTTAGGGCTC  
CGGATATCTTTGGTGACTTGCCACTCCAGTGTGGCATCATGTGGCAGCTGCTCCTCCCAACTGCTCTG  
CTACTTCTAGTTTCAGCTGGCATGCGGACTGATCTCCCAAAGGCTGTGGTGTCTCTGGAGCCTCAATGG  
TACAGCGTGCTTGAGAAGGACAGTGTGACTCTGAAGTGCCAGGGAGCCTACTCCCCTGAGGACAATTCC  
ACACAGTGGTTTCACAATGAGAACCTCATCTCAAGCCAGGCTCGAGCTACTTCATTGACGCTGCCACA  
GTCAACGACAGTGGAGAGTACAGGTGCCAGACAAACCTCTCCACCCTCAGTGACCCGGTGCAGCTAGAA  
GTCCATATCGGCTGGCTGTTGCTCCAGGCCCTCGGTGGGTGTTCAAGGAGGAAGACCCTATTCACCTG  
AGGTGTCACAGCTGGAAGAACACTGCTCTGCATAAGGTCACATATTTACAGAATGGCAAAGACAGGAAG  
TATTTTCATCATAATTCTGACTTCCACATTCCAAAAGCCACACTCAAAGATAGCGGCTCCTACTTCTGC  
AGGGGGCTTGTGGGAGTAAAAATGTGTCTTCAGAGACTGTGAACATCACCATCACTCAAGGTTTGGCA  
GTGTCAACCATCTCATCTCTCCACCCTGGGTACCAAGTCTTTCTGCTTGGTGATGGTACTCCTT  
TTTGCAGTGGACACAGGACTATATTTCTCTGTGAAGACAAACATTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001271035

Insert Size: 807 bp

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:

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](#)

RefSeq Size: 2391 bp

RefSeq ORF: 807 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: 29.8 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]

Transcript Variant: This variant (3) uses an alternate in-frame splice site at the 5' end of an exon compared to variant 1. The resulting isoform (6) has the same N- and C-termini but is one aa shorter compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.