

Product datasheet for SC213697

OriGene Technologies, Inc.

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CD16 (FCGR3A) (NM_001127592) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: CD16 (FCGR3A) (NM_001127592) Human 3' UTR Clone

Symbol: CD16

Synonyms: CD16; CD16A; FCG3; FCGR3; FCGRIII; FCR-10; FCRIIIA; IGFR3; IMD20

Mammalian Cell Neomycin

Selection:

Vector:

pMirTarget (PS100062)

ACCN: NM_001127592

Insert Size: 1256 bp



Insert Sequence:

>SC213697 3' UTR clone of NM_001127592

The sequence shown below is from the reference sequence of NM_001127592. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TGGAGAAAGGACCCTCAAGACAAA**TGA**CCCCCATCCCATGGGGGTAATAAGAGCAGTAGCAGCAGCATCT CTGAACATTTCTCTGGATTTGCAACCCCATCATCCTCAGGCCTCTCTACAAGCAGCAGGAAACATAGAAC TCAGAGCCAGATCCCTTATCCAACTCTCGACTTTTCCTTGGTCTCCAGTGGAAGGGGAAAAGCCCATGATC TTCAAGCAGGGAAGCCCCAGTGAGTAGCTGCATTCCTAGAAATTGAAGTTTCAGAGCTACACAAACACTT TTTCTGTCCCAACCGTTCCCTCACAGCAAAGCAACAATACAGGCTAGGGATGGTAATCCTTTAAACATAC TAAGTAGAATTAATGGTTGAGGCAGGACCATACAGAGTGTGGGAACTGCTGGGGATCTAGGGAATTCAGT GGGACCAATGAAAGCATGGCTGAGAAATAGCAGGTAGTCCAGGATAGTCTAAGGGAGGTGTTCCCATCTG AGCCCAGAGATAAGGGTGTCTTCCTAGAACATTAGCCGTAGTGGAATTAACAGGAAATCATGAGGGTGAC GTAGAATTGAGTCTTCCAGGGGACTCTATCAGAACTGGACCATCTCCAAGTATATAACGATGAGTCCTCT TAATGCTAGGAGTAGAAAATGGTCCTAGGAAGGGGACTGAGGATTGCGGTGGGGGTGGGGTGGAAAAGA AAGTACAGAACAAACCCTGTGTCACTGTCCCAAGTTGCTAAGTGAACAGAACTATCTCAGCATCAGAATG TTGGCCAGGGTAGTAAGAATTAGAGGTTAATGCAGGGACTGTAAAACCACCTTTTCTGCTTCAATATCTA ATTCCTGTGTAGCTTTGTTCATTGCATTTATTAAACAAATGTTGTATAACCAATACTAAATGTACTACTG AGCTTCGCTGAGTTAAGTTATGAAACTTTCAAATCCTTCATCATGTCAGTTCCAATGAGGTGGGGATGGA GAAGACAATTGTTGCTTATGAAAGAAAGCTTTAGCTGTCTCTGTTTTGTAAGCTTTAAGCGCAACATTTC

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the

reference sequence but may contain minor differences, e.g., single nucleotide

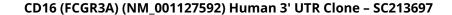
polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: NM 001127592.1



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Summary:

This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene are associated with immunodeficiency 20, and have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2020]

Locus ID:

2214