

Product datasheet for **SC213694**

CD16 (FCGR3A) (NM_001127595) Human 3' UTR Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | 3' UTR Clones |
| Product Name: | CD16 (FCGR3A) (NM_001127595) Human 3' UTR Clone |
| Symbol: | CD16 |
| Synonyms: | CD16; CD16A; FCG3; FCGR3; FCGR3II; FCR-10; FCRIII; FCRIIIA; IGFR3; IMD20 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pMirTarget (PS100062) |
| ACCN: | NM_001127595 |
| Insert Size: | 1283 bp |



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| | |
|---------------------------|--|
| Insert Sequence: | <p>>SC213694 3'UTR clone of NM_001127595 The sequence shown below is from the reference sequence of NM_001127595. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC AAATGGAGAAAGGACCCTCAAGACAAATGACCCCATCCCATGGGGTAATAAGAGCAGTAGCAGCAGC ATCTCTGAACATTTCTCTGGATTGCAACCCCATCATCCTCAGGCCTCTTACAAGCAGCAGGAAACAT AGAAGCTCAGAGCCAGATCCCTTATCCAAGTCTCGACTTTTCTTGGTCTCCAGTGAAGGAAAAGCCC ATGATCTTCAAGCAGGGAAGCCCAAGTGTAGTGCATTCTAGAAATTGAAGTTTCAGAGCTACACA AACACTTTTTCTGTCCCAACCGTTCCCTCACAGCAAAGCAACAATACAGGCTAGGGATGGTAATCCTTT AAACATACAAAAATTGCTCGTGTATAAATTACCCAGTTTAGAGGGGAAAAAAAAACAATTATTCCTAA ATAAATGGATAAGTAGAATTAATGGTTGAGGCAGGACCATACAGAGTGTGGGAAGTCTGGGGATCTAG GGAATTCAGTGGGACCAATGAAAGCATGGCTGAGAAATAGCAGGTAGTCCAGGATAGTCTAAGGGAGGT GTCCCATCTGAGCCAGAGATAAGGGTGTCTTCTAGAACATTAGCCGTAGTGAATTAACAGGAAAT CATGAGGGTGACGTAGAATTGAGTCTTCCAGGGGACTCTATCAGAACTGGACCATCTCCAAGTATATAA CGATGAGTCTCTTAATGCTAGGAGTAGAAAATGGTCCTAGGAAGGGGACTGAGGATTGCGGTGGGGG TGGGGTGGAAAAGAAAGTACAGAACAAACCCTGTGTCCTGTCCTCAAGTTGCTAAGTGAACAGAACTAT CTCAGCATCAGAAATGAGAAAGCCTGAGAAGAAAGAACCAACCACACAGGAAAGGAAAAGCGCAGG AGGTGAAAATGCTTTCTTGGCCAGGGTAGTAAGAATTAGAGGTTAATGCAGGGACTGTAAAACACCTT TTCTGCTTCAATATCTAATTCTGTGTAGCTTTGTTTATTGCATTTATTAACAAATGTTGTATAACCA ATACTAAATGTACTACTGAGCTTCGCTGAGTTAAGTTATGAACTTTCAAATCCTTCATCATGTCAGTT CCAATGAGGTGGGATGGAGAAGACAATTGTTGCTTATGAAAGAAAGCTTTAGCTGTCTCTGTTTTGTA AGCTTTAAGCGCAACATTTCTTGGTTCCAATAAAGCATTTTACAAGATCTTGCATGCTACTCTTAGATA GAAGATGGGAAAACCATGGTAATAAAATATGAATGATAAAA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCACCGCCGCTTCTATGAAAGG</pre> |
| Restriction Sites: | Sgfl-MluI |
| 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_001127595.2 |

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

MW:

47.8