

Product datasheet for SC119841

CD64 (FCGR1A) (NM_000566) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD64 (FCGR1A) (NM_000566) Human Untagged Clone
Tag: Tag Free
Symbol: FCGR1A
Synonyms: CD64; CD64A; FCRI; IGFR1
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_000566 edited

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CCAGCTTGGAGACAACATGTGGTTCTTGACAACCTGCTCCTTTGGGTTCCAGTTGATGG
GCAAGTGGACACCACAAAAGGCAGTGATCACTTTGCAGCCTCCATGGGTGACGCGTTTCCA
AGAGGAAACCGTAACCTTGCAGTGTGAGGTGCTCCATCTGCCTGGGAGCAGCTCTACACA
GTGGTTTCTCAATGGCACAGCCACTCAGACCTCGACCCAGCTACAGAATCACCTCTGC
CAGTGTCAATGACAGTGGTGAATACAGGTGCCAGAGAGGTCTCTCAGGGCGAAGTGACCC
CATACAGCTGGAAATCCACAGAGGCTGGCTACTACTGCAGGTCTCCAGCAGAGTCTTTCAC
GGAAGGAGAACCTCTGGCCTTGAGGTGTCATGCGTGGAAGGATAAGCTGGTGTACAATGT
GCTTTACTATCGAAATGGCAAAGCCTTTAAGTTTTTCCACTGGAATTCTAACCTCACCAT
TCTGAAAACCAACATAAGTCACAATGGCACCTACCATTGCTCAGGCATGGGAAAGCATCG
CTACACATCAGCAGGAATATCTGTCACTGTGAAAGAGCTATTTCCAGCTCCAGTGTGAA
TGCATCTGTGACATCCCCACTCCTGGAGGGGAATCTGGTCAACCCTGAGCTGTGAAACAAA
GTTGCTCTTGAGAGGCCTGGTTTGCAGCTTTACTTCTCCTTCTACATGGGCAGCAAGAC
CCTGCGAGGCAGGAACACATCCTCTGAATACCAAATACTAACTGCTAGAAGAGAAGACTC
TGGGTTTACTGGTGCAGGCTGCCACAGAGGATGGAATGTCTTAAGCGCAGCCCTGA
GTTGGAGCTTCAAGTGTGGCCTCCAGTTACCAACTCCTGTCTGGTTCATGTCCTTTT
CTATCTGGCAGTGGGAATAATGTTTTTGTGAACTGTTCTCTGGGTGACAATACGTAA
AGAAGTAAAAGAAAAGAAAAGTGAATTTAGAAATCTCTTTGGATTCTGGTCATGAGAA
GAAAGTAAATTTCCAGCCTTCAAGAAGACAGACATTTAGAAGAAGAGCTGAAATGTCAGGA
ACAAAAAGAAGAACAGCTGCAGGAAGGGGTGCACCGGAAGGAGCCCGAGGGGCCACGTA
GCAGCGGCTCAGTGGGTGGCCATCGATCTGGACCGTCCCCTGCCACTTGCTCCCCGTGA
GCACTGCGTACAAACATCCAAAAGTTCAACAACACCAGAAGTGTGTCTCATGGTATAT
AACTCTTAAAGCAAATAAATGAACTGACTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_000566 unedited
AGTTTAGGATATTTGTATACGACTTACTATAGGGNCCGGCCGCGCAATTCGGCACGAGGC
CAGCTTGGAGACACATGTGGTCTTGACAACCTCTGCTCCTTTGGGTTCCAGTTGATGGGC
AAGTGGACACCACAAAGGCAGTGATCACTTTGCAGCCTCCATGGGTGAGCGTGTTCGAAG
AGGAAACCGTAACCTTGCAGTGTGAGGTGCTCCATCTGCCTGGGAGCAGCTCTACACAGT
GGTTTCTCAATGGCACAGCCACTCAGACCTCGACCCCACTACAGAATCACCTCTGCCA
GTGTCAATGACAGTGGTGAATACAGGTGCCAGAGAGGTCTCTCAGGGCGAAGTGACCCCA
TACAGCTGGAAATCCACAGAGGCTGGCTACTACTGCAGGTCTCCAGCAGAGTCTTCACGG
AAGGAGAACCTCTGGCCTTGAGGTGTCATGCGTGGAAAGGATAAGCTGGTGTACAATGTGC
TTTACTATCGAAATGGCAAAGCCTTTAAGTTTTTCCACTGGAATTCTAACCTCACCATTCT
TGAANACCAACATAAGTCACAATGGCACCTACCATTGCTCANGCATGGGAAAGCATCGCT
ACACATCAGCAGGAATATCTGTCACTGTGAAAGAGCTATTTCCAGCTCCAGTGTGAATG
CATCTGTGACATCCCACTCCCTGGAGGGAATCTGGGTCACTGAGCTGTGAAACANAGT
TGCTCTTGACAGAGCCTGGTTTGCAGCTTTACTTCTNCTTCTACATGGGCAGCAAGACCC
TGCGAGGCANGAACACATCCTCTGAATACCAAATACTAAGTCTAGAAAGAGAAGAACTCT
GGTTATACTGNTGCGAGGCTGCCACAGAGATGGAATGTNCTNAGCGCAGCCTGAGTTGAG
CTTCAGTGCTTGCCTCCATC
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_000566 unedited
CGGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTGAAAGCAGTTCATTTATTTGCTTTAAAAGATTATTTACCCTGAAACA
CACAGTTCTGGGTTGTGAACTTTTGGATGTTTGTACCCAATGCTCACGGGGAACAAGT
GGGCAGGGGACGGTCCAATCGATGGCCACCCACTGAGCCGCTGTACGTGGCCCTGG
GGCTTCTTTCCGGGCACCCCTTTCTGCAACTGGTTTTTTTTTTGGTCTGACATTTCAAC
TTTTTTTTTAAATGTCTGTCTTTTTGAAGGGTGGAAATTACCTTTTTTTTATGACCAAAA
TCCAAAAAATTTCTAAATTCACCTTTTTTTTTTTTTTTCAATTCTTTACCTATTGGCACC
CAAAAAACAGTGTTCACATAAAACATTATCCCACTGCCCGATAGAAAAGGACCTGAAAC
CCGACCGGAGTTGGTAAGTGGAGGCCAAACACTTGAAACTCCAACCTCAGGGCTGCGCTTA
AGGACATTTCCATCCTTTGTGGCAGCCTCCCACCAATATAACCCAAAGTCTTCTCTTTTA
ACAGTTAATATTTGGTATTCAAAGGATGTGTTCTGCCTCCCAGGGTCTTGCTGCCCATG
TANAAGGAGAAGTAAAGCTGCAAAACCAGGCCTCTCAAGACAACCTTTGGTTACAGTTCA
GGTGACCAAAATCCCCTCCAGAGTGGGGATGCACAGATGCCTTCAGCACTGGACCTGGAA
TAACTCTTTCAAAGGACACGAATTCCTGCTGATGGTAACGAAGTTTTCTTGCCGAGCAA
GGGAGCGCCACTGGGACTTAGTGTGGTTTCAAATGGGAGGTTAAAATTCAGGGGAAAAC
TTAAAGCTTGGCTTTTCAATGTAACCATTGTACACACTTTTCTTCCGCTGACCCTAGA
GCCCAGGTTTTT
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Restriction Sites:

NotI-NotI

ACCN:

NM_000566

Insert Size:

1300 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
RefSeq:	NM_000566.2 , NP_000557.1
RefSeq Size:	2230 bp
RefSeq ORF:	1125 bp
Locus ID:	2209
UniProt ID:	P12314
Domains:	ig, IGc2, IG
Protein Families:	Transmembrane
Protein Pathways:	Fc gamma R-mediated phagocytosis, Hematopoietic cell lineage, Systemic lupus erythematosus
Gene Summary:	<p>This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq, Jul 2008]</p>