

## Product datasheet for **SC324934**

### CD32A (FCGR2A) (NM\_001136219) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD32A (FCGR2A) (NM_001136219) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD32A
Synonyms:	CD32; CD32A; CDw32; FCG2; FcGR; FCGR2; FCGR2A1; IGFR2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001136219 edited ATGACTATGGAGACCCAAATGTCTCAGAATGTATGTCCCAGAAACCTGTGGCTGCTTCAA CCATTGACAGTTTTGCTGCTGGCTTCTGCAGACAGTCAAGCTGCAGCTCCCCAAAG GCTGTGCTGAAACTTGAGCCCCGGTGGATCAACGTGCTCCAGGAGGACTCTGTGACTCTG ACATGCCAGGGGCTCGCAGCCCTGAGAGCGACTCCATTCAAGTGGTTCCACAATGGGAAT CTCATTCCCACCCACACGCAGCCAGCTACAGGTTCAAGGCCAACAAATGACAGCGGG GAGTACACGTGCCAGACTGGCCAGACCAGCCTCAGCGACCCTGTGCATCTGACTGTGCTT TCCGAATGGTGGTGGTCCAGACCCCTCACCTGGAGTTCCAGGAGGGAGAAACCATCATG CTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGGTCACATTCTCCAGAATGGA AAATCCCAGAAAATCTCCATTTGGATCCCACCTTCTCCATCCCACAAGCAAACCACAGT CACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGTTCTCATCCAAGCCT GTGACCATCACTGTCCAAGTGCCAGCATGGGCAGCTCTTACC AATGGGGATCATTGTG GCTGTGGTCAATTGCGACTGCTGTAGCAGCCATTGTTGCTGCTGTAGTGGCCTTGATCTAC TGCAGGAAAAAGCGGATTTAGCCAATTCACCTGATCCTGTGAAGGCTGCCAATTTGAG CCACCTGGACGTCAAATGATTGCCATCAGAAAGAGACAACTTGAAGAAACCAACAATGAC TATGAAACAGCTGACGGCGGCTACATGACTCTGAACCCAGGGCACCTACTGACGATGAT AAAAACATCTACCTGACTCTTCTCCCAACGACCATGTCAACAGTAATAACTAA
Restriction Sites:	Please inquire
ACCN:	NM_001136219
Insert Size:	2300 bp



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<b>OTI Disclaimer:</b>	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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001136219.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001136219.1</a> , <a href="#">NP_001129691.1</a>
<b>RefSeq Size:</b>	2429 bp
<b>RefSeq ORF:</b>	954 bp
<b>Locus ID:</b>	2212
<b>UniProt ID:</b>	<a href="#">P12318</a>
<b>Cytogenetics:</b>	1q23.3
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Fc gamma R-mediated phagocytosis, Systemic lupus erythematosus
<b>Gene Summary:</b>	<p>This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>