

Product datasheet for **RG216432**

CD32 (FCGR2C) (NM_201563) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD32 (FCGR2C) (NM_201563) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCGR2C
Synonyms:	CD32; CD32C; CDW32; FCG2; FCRIIC; IGFR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216432 representing NM_201563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCTGTCATTTTTACCTGTCCTTGCCACTGAGAGTGACTGGGCTGACTGCAAGTCCCCCAGC
CTTGGGGTCATATGCTTCTGTGGACAGCTGTGCTATTCTGGCTCCTGTTGCTGGGACACCTGCAGCTCC
CCCAAAGGCTGTGCTGAAACTCGAGCCCCAGTGGATCAACGTGCTCCAGGAGGACTCTGTGACTTGACA
TGCCGGGGGACTCACAGCCCTGAGAGCGACTCCATTCAAGTGGTCCACAATGGGAATCTCATTCCCACCC
ACACGCAGCCCAGCTACAGGTTCAAGGCCAACAAATGACAGCGGGGAGTACACGTGCCAGACTGGCCA
GACCAGCCTCAGCGACCCTGTGCATCTGACTGTGCTTTCTGAGTGGCTGGTGTCCAGACCCTCACCTG
GAGTTCAGGAGGGAGAAACCATCGTGCTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGGTCA
CATTCTCCAGAAATGAAAATCCAAGAAATTTCCCGTTCGGATCCCAACTTCTCCATCCCAAGCAAA
CCACAGTCACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGACTCATCCAAGCCTGTG
ACCATCACTGTCCAAGCTCCCAGCTCTTACCAGTGGGGATCATTGTGGCTGTGGTCACTGGGATTGCTG
TAGCGGCCATTGTTGCTGCTGTAGTGGCCTTGATCTACTGCAGGAAAAAGCGGATTTAGCCAATCCAC
TGATCCTGTGAAGGCTGCCCAATTTGAGCCACCTGGACGTCAAATGATTGCCATCAGAAAAGACAACT
GAAGAAACCAACAATGACTATGAAACAGCTGACGGCGGCTACATGACTCTGAACCCAGGGCACCTACTG
ACGATGATAAAAAATCTACCTGACTCTTCTCCCAACGACCATGTCAACAGTAATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216432 representing NM_201563
Red=Cloning site Green=Tags(s)

MGILSFLPVLATESDWADCKSPQPWGHMLLWTAFLAPVAGTPAAPPKAVLKLEPQWINVLQEDSVTLT
 CRGTHSPESDSIQWFHNGNLIPHTHTQPSYRFKANNNDSGEYTCQTGQTSLSDPVHLTVLSEWLVLQTPHL
 EFQEGETIVLRCHSWKDKPLVKVTFVFQNGKSKKFSRSDPNFSIPQANHSHSGDYHCTGNIGYTLYSSKPV
 TITVQAPSSSPMGIIVAVVTGIAVAIAVAVALIYCRKKRISANSTDPVKAQFEPFGROMIAIRKRQP
 EETNNDYETADGGYMTLNPRAPTDDDKNIYLTLPNDHVNSNN

TRTRPLE - GFP Tag - V

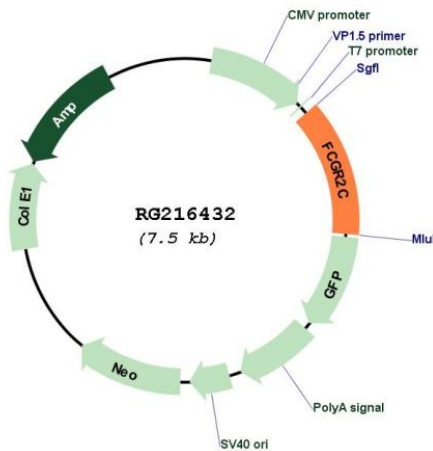
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_201563

ORF Size: 969 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_201563.2 , NP_963857.2
RefSeq Size:	1005 bp
RefSeq ORF:	972 bp
Locus ID:	9103
UniProt ID:	P31995
Cytogenetics:	1q23.3
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Fc gamma R-mediated phagocytosis, Systemic lupus erythematosus
Gene Summary:	This gene encodes one of three members of a family of low-affinity immunoglobulin gamma Fc receptors found on the surface of many immune response cells. The encoded protein is a transmembrane glycoprotein and may be involved in phagocytosis and clearing of immune complexes. An allelic polymorphism in this gene results in both coding and non-coding variants. [provided by RefSeq, Apr 2012]