

## Product datasheet for **RG213460**

### CD32 (FCGR2C) (NM\_001005411) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD32 (FCGR2C) (NM_001005411) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCGR2C
Synonyms:	CD32; CD32C; Fc fragment of IgG, low affinity IIc, receptor for; Fc fragment of IgG, low affinity IIc, receptor for (CD32); FcgammaRIIC; FCGR2B; FcRIIC; hFcRII-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213460 representing NM_001005411 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAATCCTGTCATTCTTACCTGTCCTTGCCACTGAGAGTGACTGGGCTGACTGCAAGTCCCCCAGC  
CTTGGGGTCATATGCTTCTGTGGACAGCTGTGCTATTCCTGGCTCCTGTTGCTGGGACACCTGCAGCTCC  
CCCAAAGGCTGTGCTGAACTCGAGCCCCAGTGGATCAACGTGCTCCAAGAGGACTCTGTGACTCTGACA  
TGCCGGGGGACTCACAGCCCTGAGAGCGACTCCATTAGTGGTCCACAATGGGAATCTCATTCCCACCC  
ACACGCAGCCCAGCTACAGGTTCAAGGCCAACAAATGACAGCGGGGAGTACACGTGCCAGACTGGCCA  
GACCAGCCTCAGCGACCCTGTGCATCTGACTGTGCTTTCTGAGTGGCTGGTGTCCAGACCCCTCACCTG  
GAGTTCAGGAGGGAGAAACCATCGTGTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGTCA  
TATTCTCCAGAATGGAAAATCCAAGAAATTTCCCGTTTCGGATCCCAACTTCTCCATCCCAAGCAAA  
CCACAGTCACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGTACTCATCAAGCCTGTG  
ACCATCACTGTCCAAGCTCCCAGCTCTTCACCGATGGGGATCATTGTGGCTGTGGTCACTGGGATTGCTG  
TAGCGGCCATTGTTGCTGCTGTAGTGGCCTTGATCTACTGCAGGAAAAAGCGGATTTTCAGCCACCTGGAC  
GTCAAATGATTGCCATCAGAAAGAGACAACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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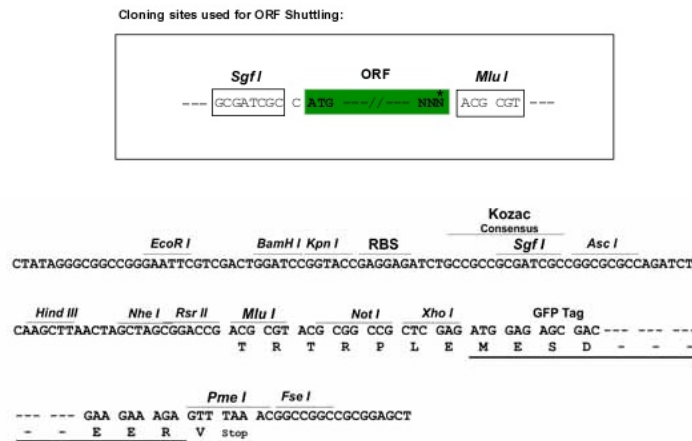
**Protein Sequence:** >RG213460 representing NM\_001005411  
 Red=Cloning site Green=Tags(s)

MGILSFLPVLATESDWADCKSPQPWGHMLLWTAFLAPVAGTPAAPPKAVLKLEPQWINVLQEDSVTLT  
 CRGTHSPESDSIQWFHNGNLIPTHTQPSYRFKANNDSGEYTCQTGTSLSDPVHLTVLSEWLVLQTPHL  
 EFQEGETIVLRCHSWKDKPLVKVIFVFQNGKSKKFSRSDPNFSIPQANHSHSGDYHCTGNIGYTLYSSKPV  
 TITVQAPSSSPMGIIVAVVTGIAVAAIIVAAVVALIYCRKKRISATWTSNDCHQKETT

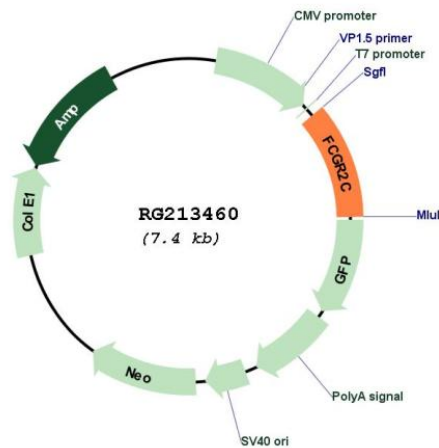
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001005411

**ORF Size:** 801 bp

<b>OTI Disclaimer:</b>	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>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001005411.1</a> , <a href="#">NP_001005411.1</a>
<b>RefSeq Size:</b>	967 bp
<b>RefSeq ORF:</b>	803 bp
<b>Locus ID:</b>	9103
<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>	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]