

## Product datasheet for **RG232194**

### CD64 (FCGR1B) (NM\_001244910) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD64 (FCGR1B) (NM_001244910) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCGR1B
Synonyms:	CD64b; FCG1; FcgammaRIa; FCGR1; FCGR1A; FcRI; IGFR1; IGFRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232194 representing NM_001244910 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGTTCTTGACAACCTGCTCCTTTGGGTTCCAGTTGATGGGCAAGTGGACACCACAAAGGCAGTGA  
TCACTTTGCAGCCTCCATGGGTGAGCGTGTCCAAGAGGAAACCGTAACCTTGCAGTGTGAGGTGCTCCA  
TCTGCCTGGGAGCAGCTCCACACAGTGGTTTCTCAATGGCACAGCCACTCAGACCTCGACCCCGAGCTAC  
AGAATCACCTCTGCCAGTGTCAATGACAGTGGTGAATACAGGTGCCAGAGAGGTCTCTCAGGGCGAAGTG  
ACCCCATACAGCTGGAATCCACAGAGGCTGGCTACTACTGCAGGTCTCCAGCAGAGTCTTCATGGAAGG  
AGAACCTCTGGCCTTGGAGGTGCATGCGTGGAAGGATAAGCTGGTGTACAATGTGCTTTACTATCGAAAT  
GGCAAAGCCTTTAAGTTTTTCCACTGGAATTCTAACCTCACCATCTGAAAACCAACATAAGTCACAATG  
GCACCTACCATTGCTCAGGCATGGGAAAGCATCGCTACACATCAGCAGGAATATCACAATACACTGTGAA  
AGAGCTATTTCCAGCTCCAGTGTGAATGCATCTGTGACATCCCCACTCCTGGAGGGGAATCTGGTCACC  
CTGAGCTGTGAAACAAAGTTGCTCTTGACAGGGCCTGGTTTG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG232194 representing NM\_001244910  
Red=Cloning site Green=Tags(s)

MWFLTLLLLWVPVDGQVDTTKAVITLQPPWVSVFQEETVTLHCEVLHLPSSSTQWFLNGTATQTSTPSY  
 RITSASVNDSGEYRCQRLSGRSDPIQLEIHRGWLLLQVSSRVFMEGEPLALRCHAWKDKLVYNNVLYRN  
 GKAFKFFHWSNLTIKTNISHNGTYHCSGMGKHRYTSAGISQYTVKELFPAPVLNASVTSPLLEGNLVT  
 LSCETKLLLQRPGL

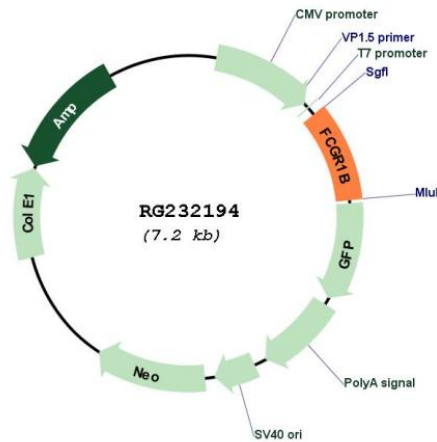
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001244910

**ORF Size:** 672 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_001244910.1</a> , <a href="#">NP_001231839.1</a>
<b>RefSeq Size:</b>	1581 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	2210
<b>UniProt ID:</b>	<a href="#">Q92637</a>
<b>Cytogenetics:</b>	1p11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Three distinct, but closely related classes of receptors that bind the Fc portion of IgG have been identified (Fcgamma RI, II and III). The FcgammaRI family consists of three closely related genes termed A, B, and C. This gene likely encodes a non-functional protein that is not detectable at the cell surface and binds ligand with low affinity. [provided by RefSeq, Nov 2019]