

Product datasheet for **RG212043**

CD32B (FCGR2B) (NM_001002274) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD32B (FCGR2B) (NM_001002274) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCGR2B
Synonyms:	CD32; CD32B; FCG2; FCGR2; FCGR2C; FcRII-c; IGFR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212043 representing NM_001002274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCTGTCACTTACCTGTCTTCCACTGAGAGTGACTGGGCTGACTGCAAGTCCCCCAGC
CTTGGGGTCATATGCTTCTGTGGACAGCTGTGCTATTCTGGCTCCTGTTGCTGGGACACCTGCAGCTCC
CCCAAAGGCTGTGCTGAAACTCGAGCCCCAGTGGATCAACGTGCTCCAGGAGGACTCTGTGACTTGACA
TGCCGGGGGACTCACAGCCCTGAGAGCGACTCCATTCAAGTGGTCCACAATGGGAATCTCATTCCCACCC
ACACGCAGCCAGCTACAGGTTCAAGGCCAACACAATGACAGCGGGGAGTACACGTGCCAGACTGGCCA
GACCAGCCTCAGCGACCCTGTGCATCTGACTGTGCTTTCTGAGTGGCTGGTGTCCAGACCCTCACCTG
GAGTTCAGGAGGAGAAACCATCGTGCTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGGTCA
CATTCTCCAGAAATGAAAATCCAAGAAATTTCCCGTTCGGATCCCAACTTCTCCATCCCAAGCAAA
CCACAGTCACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGACTCATCAAGCCTGTG
ACCATCACTGTCCAAGCTCCCAGCTCTTACCGATGGGGATCATTGTGGCTGTGGTCACTGGGATTGCTG
TAGCGGCCATTGTTGCTGCTGTAGTGGCCTTGATCTACTGCAGGAAAAAGCGGATTTAGCCAATCCCAC
TAATCCTGATGAGGCTGACAAAGTTGGGGCTGAGAACACAATCACCTATTCACTTCTCATGCACCCGGAT
GCTCTGGAAGAGCCTGATGACCAGAACCGTATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212043 representing NM_001002274
Red=Cloning site Green=Tags(s)

MGILSFLPVLATESDWADCKSPQPWGHMLLWTVLFLAPVAGTPAAPPKAVLKLEPQWINVLQEDSVTLT
 CRGTHSPESDSIQWFHNGNLIPHTHTQPSYRFKANNNDSGEYTCQTGTSLSDPVHLTVLSEWLVLQTPHL
 EFQEGETIVLRCHSWKDKPLVKVTFVFQNGKSKKFSRSDPNFSIPQANHSHSGDYHCTGNIGYTLYSSKPV
 TITVQAPSSSPMGIIVAVVTGIIVAAIIVAAVVALIYCRKKRISANPTNPDEADKVGAEENTITYSLLMHPD
 ALEEPDDQNRI

TRTRPLE - GFP Tag - V

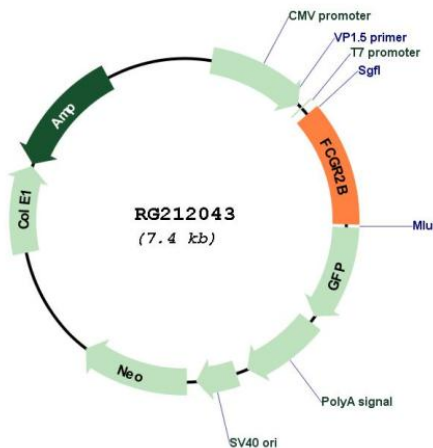
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001002274

ORF Size: 873 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_001002274.2 , NP_001002274.1
RefSeq Size:	1576 bp
RefSeq ORF:	876 bp
Locus ID:	2213
UniProt ID:	P31994
Cytogenetics:	1q23.3
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	B cell receptor signaling pathway, Fc gamma R-mediated phagocytosis, Systemic lupus erythematosus
Gene Summary:	The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]