

Product datasheet for **RG219569**

CD32B (FCGR2B) (NM_001002273) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD32B (FCGR2B) (NM_001002273) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD32B
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:	>RG219569 representing NM_001002273 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCTGTCATTCTTACCTGTCCTTGCCACTGAGAGTGACTGGGCTGACTGCAAGTCCCCCAGC
CTTGGGGTCATATGCTTCTGTGGACAGCTGTGCTATTCTGGCTCCTGTTGCTGGGACACCTGCTCCCC
AAAGGCTGTGCTGAAACTCGAGCCCCAGTGATCAACGTGCTCCAGGAGGACTCTGTGACTCTGACATGC
CGGGGACTCACAGCCCTGAGAGCGACTCCATTAGTGGTCCACAATGGGAATCTATTCCCACCACACA
CGCAGCCAGCTACAGGTTCAAGGCCAACAACAATGACAGCGGGGAGTACACGTGCCAGACTGGCCAGAC
CAGCCTCAGCGACCCTGTGCATCTGACTGTGCTTCTGAGTGGCTGGTGTCCAGACCCCTCACCTGGAG
TTCCAGGAGGGAGAAACCATCGTCTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGGTCACAT
TCTTCCAGAATGGAAAATCCAAGAAATTTCCCGTTCCGATCCCAACTTCTCCATCCCACAAGCAAACCA
CAGTCACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGTACTCATCCAAGCCTGTGACC
ATCACTGTCCAAGCTCCCAGCTTTCACCGATGGGGATCATTGTGGCTGTGGTCACTGGGATTGCTGTAG
CGGCCATTGTTGCTGCTGTAGTGGCCTTGATCTACTGCAGGAAAAAGCGGATTTACGCCAATCCCCTAA
TCCTGATGAGGCTGACAAAGTTGGGGCTGAGAACACAATCACCTATTCACTTCTCATGCACCCGGATGCT
CTGGAAGAGCCTGATGACCAGAACCGTATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219569 representing NM_001002273
Red=Cloning site Green=Tags(s)

MGILSFLPVLATESDWADCKSPQPWGHMLLWTVLFLAPVAGTPAPPKAVLKLEPQWINVLQEDSVTLTC
 RGTHSPESDSIQWFHNGNLIPTHTQPSYRFKANNNDSGEYTCQTGQTSLSDPVHLTVLSEWLVLQTPHLE
 FQEGETIVLRCHSWKDKPLVKVTFQNGKSKKF SRSDPNF SIPQANHSHSGDYHCTGNIGYTLYSSKPVT
 ITVQAPSSSPMGIIVAVVTGIAVAAI VAAVVALIYCRKKRISANPTNPDEADKVAENTITYSLLMHPDA
 LEEPDDQNRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001002273

ORF Size: 870 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:

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_001002273.2](#)

RefSeq Size: 1573 bp

RefSeq ORF: 873 bp

Locus ID: 2213

UniProt ID: [P31994](#)

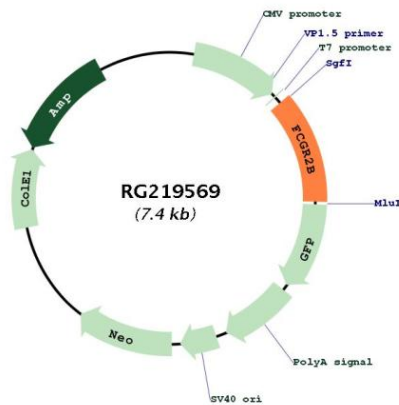
Cytogenetics: 1q23.3

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]

Product images:



Circular map for RG219569