

Product datasheet for **SC321760**

CD32B (FCGR2B) (NM_001002275) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD32B (FCGR2B) (NM_001002275) Human Untagged Clone
Tag: Tag Free
Symbol: CD32B
Synonyms: CD32; CD32B; FCG2; FCGR2; FCGR2C; FcRII-c; IGFR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001002275.1
 CTGCTGTGCTCTGGGCGCCAGCTCGCTCCAGGGAGTGATGGGAATCCTGTCATTCTTACC
 TGTCTTGCCACTGAGAGTGACTGGGCTGACTGCAAGTCCCCCAGCCTTGGGGTCATAT
 GCTTCTGTGGACAGCTGTGCTATTCTTGCTCCTGTTGCTGGGACACCTGCAGCTCCCC
 AAAGGCTGTGCTGAAACTCGAGCCCCAGTGATCAACGTCTCCAGGAGGACTCTGTGAC
 TCTGACATGCCGGGGACTCACAGCCCTGAGAGCGACTCCATTAGTGGTTCACAATGG
 GAATCTCATTCCACCCACAGCCAGCTACAGGTTCAAGGCCAACAAATGACAG
 CGGGGAGTACACGTGCCAGACTGGCCAGACCAGCCTCAGCGACCCTGTGCATCTGACTGT
 GCTTTCTGAGTGGCTGGTCTCCAGACCCTCACCTGGAGTTCAGGAGGGAGAAACCAT
 CGTGCTGAGGTGCCACAGCTGGAAGGACAAGCCTCTGGTCAAGGTACATTCTTCCAGAA
 TGGAAAATCCAAGAAATTTCCCGTTCCGATCCCAACTTCTCCATCCCACAAGCAAACCA
 CAGTCACAGTGGTGATTACCACTGCACAGGAAACATAGGCTACACGCTGTACTCATCCAA
 GCCTGTGACCATCACTGTCCAAGCTCCCAGCTTTCACCGATGGGGATCATTGTGGCTGT
 GGTCACTGGGATTGCTGTAGCGGCCATTGTTGCTGCTGTAGTGGCCTTGATCTACTGCAG
 GAAAAAGCGGATTTCCAGCTCTCCAGGATACCCTGAGTGCAGGGAAATGGGAGAGACCCT
 CCCTGAGAAACCAGCCAATCCCCTAATCCTGATGAGGCTGACAAAGTTGGGGCTGAGAA
 CACAATCACCTATTCATTCTCATGCACCCGGATGCTCTGGAAGAGCCTGATGACCAGAA
 CCGTATTTAGTCTCCATTGTCTTGCAATTGGGATTTGAGAAGAAAATCAGAGAGGGGAAGT
 CTGGTATTTCTGGCCTAAATCCCCTTGGGGAGGACAGGGAGATGCTGCAGTTCAAAA
 GAGAAGGTTTCTCCAGAGTCATCTACCTGAGTCCCTGAAAGTCCCTGTCCTGAAAGCCAC
 AGACAATATGGTCCCAAATGACCGACTGCACCTTCTGTGCTTCAGCTCTTCTTGACATCA
 AGGCTCTTCCGTTCCACATCCACACAGCCAATCCAATTAATCAAACCACTGTTATTAACA
 GATAATAGCAACTTGGGAAATGCTTATGTTACAGGTTACGTGAGAACAATCATGTAATC
 TATATGATTTTCAGAAATGTTAAATAGACTAACCTCTACCAGCACATTAAGTATTGTT
 TTCTGGGTGATAAAATATTGATGATTTTTATTTCTTTATTTTCTATAAAGATCATAT
 ATTACTTTTATAATAAAACATTATAAAAACAAATAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA



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Restriction Sites:	Please inquire
ACCN:	NM_001002275
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001002275.1</u> , <u>NP_001002275.1</u>
RefSeq Size:	1630 bp
RefSeq ORF:	930 bp
Locus ID:	2213
UniProt ID:	<u>P31994</u>
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:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is 1 aa shorter compared to isoform 1.</p>