

Product datasheet for **SC126110**

CD68 (BC015557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD68 (BC015557) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD68
Synonyms:	CD68 antigen; CD68 molecule; DKFZp686M18236; GP110; macrophage antigen CD68; macrosialin; OTTHUMP00000135285; SCARD1; scavenger receptor class D, member 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC015557 edited
 GGGAGCAGGGTTGAGCAACTGGTGCAGACAGCCTAGCTGGACTTTGGGTGAGCGGTTCA
 GCCATGAGGCTGGCTGTGCTTTTCTCGGGGGCCCTGCTGGGGCTACTGGCAGCCAGGGG
 ACAGGGAAATGACTGTCTCACAAAAATCAGCTACTTTGCTGCCATCCTTACGGTGACA
 CCCACGGTTACAGAGAGCACTGGAACAACACAGCCACAGGACTACCAAGAGCCACAAAACC
 ACCACTCACAGGACAACCACCACAGGCACCACCAGCCACGGACCCACGACTGCCACTCAC
 AACCCACCACCACCAGCCATGGAAACGTACAGTTTCATCCAACAAGCAATAGCACTGCC
 ACCAGCCAGGGACCCCTCAACTGCCACTCACAGTCTGCCACCACTAGTCATGGAAATGCC
 ACGTTTCATCCAACAAGCAACAGCACTGCCACCAGCCAGGATTACCAAGTTCTGCCAC
 CCAGAACCACCTCCACCCTCTCCGAGTCTAGCCCAACCTCCAAGGAGACCATTGGAGAC
 TACACGTGGACCAATGGTCCCAGCCCTGTGTCCACCTCCAAGCCAGATTAGATTGGA
 GTCATGTACACAACCCAGGGTGGAGGAGAGGCCTGGGGCATCTCTGACTGAACCCCAAC
 AAAACCAAGGTCCAGGGAAGCTGTGAGGGTGGCCATCCCCACCTGCTTCTCATTCCCC
 TATGGACACCTCAGCTTTGGATTTCATGCAGGACCTCCAGCAGAAGTTGTCTACCTGAGC
 TACATGGCGGTGGAGTACAATGTGTCCTTCCCCACGCAGCACAGTGGACATTCTCGGCT
 CAGAATGCATCCCTTCGAGATCTCCAAGCACCCCTGGGGCAGAGCTTCAGTTGCAGCAAC
 TCGAGCATCATTCTTACCAGCTGTCCACCTCGACCTGCTCCTGAGGCTCCAGGCT
 GCTCAGCTGCCCCACACAGGGTCTTTGGGCAAAGTTTCTCCTGCCCCAGTGACCGGTCC
 ATCTTGCTGCCTCTCATCATCGGCCTGATCCTTCTTGGCCTCCTCGCCCTGGTGTATT
 GCTTTCTGCATCATCCGGAGACGCCATCCGCCTACCAGGCCCTTGAGCATTGCTTCA
 AACCCAGGGCACTGAGGGGTTGGGGTGTGGTGGGGGGTACCCTTATTTCTCGACAC
 GCAACTGGCTCAAAGACAATGTTATTTCTTCCCTTTCTTGAAGAACAAAAAGAAAGCC
 GGGCATGACGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGTGGATCAC
 TGGAGGTGAGGATTTGAGACCAGCCTGGCCAACATGGTGAACCCCTGTCTACTAAAA
 ATACAATTAGCCAGGTGTGGCGCGTAATCCCAGCTGGCCTGTAATCCCAGCTACTTGGG
 AGGCTGAGGCAGAACTGCTTGAACCCAGGAGGTGGAGGTTGCAAGTGGCCGTCATCGCGC
 CACTAAGCCAAGATCGCGCCACTGCACTCCAGCCTGGGCGACAGAGCCAGACTGTCTCAA
 ATAATAAATATGAGATAATGCAGTCGGGAGAAGGGAGGGAGAGAATTTTATTAATGTG
 ACGAATGCCCCCCCCCCCAGCAGGAGAGCAGCAAAATTTATGCAAACTTTTGACGGG
 GTTTTCTTGTCTGCCAGGATTAAGCCATGAGTTTCTTAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC015557 unedited
 GGGCGTTCGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGAATTCGCACGAGGG
 GGAGCAGGTTGAGCAACTGGTGCAGACAGCCTAGCTGGACTTTGGGTGAGGCGGTTGAG
 CCATGAGGCTGGCTGTGCTTTTCTCGGGGCCCTGCTGGGGCTACTGGCAGCCAGGGGA
 CAGGGAATGACTGTCTCACAAAAATCAGCTACTTTGCTGCCATCCTTACGGTGACAC
 CCACGGTTACAGAGAGCACTGGAACAACACAGCCACAGGACTACCAAGAGCCACAAAACCA
 CCACTCACAGGACAACCACCACAGGCACCACCAGCCACGGACCCACGACTGCCACTCACA
 ACCCCACCACCACCAGCCATGGAAACGTACAGTTTCATCCAACAAGCAATAGCACTGCCA
 CCAGCCAGGGACCCTCAACTGCCACTCACAGTCTGCCACCACTAGTCATGGAAATGCCA
 CGGTTTCATCCAACAAGCAACAGCACTGCCACCAGCCAGGATTACCAAGTTCTGCCACC
 CAGAACCCTCCACCCTCTCCGAGTCTAGCCCAACCTCCAAGGAGACCATTGGAGACT
 ACACGTGGACCAATGTTCCCAGCCCTGTGTCCACCTCCAAGCCAGATTAGATTGAGG
 TCATGTACACAACCCAGGTGGAGGAGAGGCCTNNGGCATCTCTGTACTGAACCCCAACA
 AACCAAGTCCAGGGAAGCTGTGAGGGTGGCCATCCCCACCTGCTTCTCATTCCCTATG
 GACACCTCAGCTTTGGATTATGCAGGACCTCCCGCAGAAGGGGGTCTACCTGAGCTACA
 TGGGCGTGGGAGTACAATGTGTGCTTCCCCACGCAGCACAGTGGACATTCTCGGCTCAA
 ATGCATCCCTTCGAGATCTCCAGCC

Restriction Sites: Please inquire

ACCN: BC015557

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).
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:	BC015557.2 , AAH15557.1
RefSeq Size:	1739 bp
RefSeq ORF:	1062 bp
Locus ID:	968
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
Gene Summary:	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]