

Product datasheet for **SC108168**

CD66b (CEACAM8) (NM_001816) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD66b (CEACAM8) (NM_001816) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD66b
Synonyms:	CD66b; CD67; CGM6; NCA-95
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108168 sequence for NM_001816 edited (data generated by NextGen Sequencing)

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ATGGGGCCCATCTCAGCCCTTCTGCGAGATGGCGCATCCCTGGCAGGGGCTCCTGCTC
ACAGCCTCACTTTTACCTTCTGGAACCCGCCCACTGCTCAGCTCACTATTGAAGCT
GTGCCATCCAATGCTGCAGAGGGGAAGGAGTTCTTCTACTTGTCCACAATCTGCCCCAG
GACCTCGTGGCTACAACGGTACAAGGGGAAACAGTGGATGCCAACCGTCGAATTATA
GGATATGTAATATCAAATCAACAGATTACCCAGGGCCTGCATACAGCAATCGAGAGACA
ATATACCCCAATGCATCCCTGCTGATGCGGAACGTACCAGAAATGACACAGGATCCTAC
ACCCTACAAGTCATAAAGCTAAATCTTATGAGTGAAGAAGTAACTGGCCAGTTCAGCGTA
CATCCGGAGACTCCCAAGCCCTCCATCTCCAGCAACAACCTCCAACCCCGTGGAGGACAAG
GATGCTGTGGCCTTACCTGTGAACCTGAGACTCAGAACAACCTACCTGTGGTGGGTA
AATGGTCAAGTCTCCCGGTGAGTCCCAGGCTGCAGCTGTCCAATGGCAACAGGACCCCTC
ACTTACTCAGTGTCAAGGAATGACGTAGGACCCCTATGAATGTGAAATACAGAACCCA
GCGAGTGCAAACTTCAAGTACCCAGTACCCTGAATGTCTCTATGGCCAGATGCCCC
ACCATTTCCCTTTCAGACACCTATTACCATGCAGGGGTAATCTCAACCTCTCCTGCCAT
GCGGCCTTAATCCACCTCACAGTATTCTTGGTCTGTCAATGGCACATTCCAGCAATAC
ACACAAAAGCTCTTTATCCCAACATCACTACAAAGAACAGCGGATCCTATGCCTGCCAC
ACCACTAACTCAGCCACTGGCCGCAACAGGACCACAGTCAAGATGATCACAGTCTCTGAT
GCTTTAGTACAAGGAAGTTCTCCTGGCCTCTCAGCTAGAGCCACTGTGAGCATCATGATT
GGAGTACTGGCCAGGGTGGCTCTGATATAG

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Clone variation with respect to NM_001816.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001816 unedited AACAAATTGTATACGACTCACTATAGGCGGCCGGAATTCGGCACGAGGGACAGCAGCT GACAGCCGTGCTCAGAAGTTTCTGGATCCCAGGCTCATCTCCACAGAGGAGAACACGCAG GCAGCAGAGACCATGGGGCCCATCTCAGCCCCTTCTGCAGATGGCGCATCCCCTGGCAG GGGCTCCTGTGCACAGCCTCACTTTTACCTTCTGGAACCCGCCACCACTGCTCAGCTC ACTATTGAAGCTGTGCCATCCAATGCTGCAGAGGGGAAGGAGTTCTTCTACTTGTCCAC AATCTGCCCCAGGACCCCTCGTGGCTACAACCTGGTACAAAGGGGAACAGTGGATGCCAAC CGTCGAATTATAGGATATGTAATATCAAATCAACAGATTACCCAGGGCCTGCATACAGC AATCGAGAGACAATATACCCCAATGCATCCCTGCTGATGCGGAACGTCAACAGAAATGAC ACAGGATCCTACACCCTACAAGTCATAAAGCTAAATCTTATGAGTGAAGAAGTAACTGGC CAGTTCAGCGTACATCCGGAGACTCCCAAGCCCTCCATCTCCAGCAACAACCTCAACCCC GTGGAGGACAAGGATGCTGTGGCCTTACCTGTGAACCTGAGACTCAGAACAACCTAC CTGTGGTGGGTAATGGTCAGAGTCTCCCGGTCACTCCAGGCTGCAGCTGTCCAATGGC AACAGGACCCCTACTCTACTCAGTGTACAAGGAATGACGTAGGACCCTATGAATGTGAA ATACAGAACCCAGCGAGTGCAAACCTTCACTGACCCAGTCCCTGAATGTNCTCTATGGCC CAGATGCCCCACATTTNCCCTTCAGACACTATTACCTGCAGGGGTAATNTCACCTCTN CTGCCATGCGGCTCTATNCAACCCTCCAGTATNCTTGGTCTGTCATGGCACATTCAGCATA CACACAAAGCTTTTAT
Restriction Sites:	NotI-NotI
ACCN:	NM_001816
Insert Size:	2350 bp
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:	NM_001816.2 , NP_001807.2
RefSeq Size:	2297 bp
RefSeq ORF:	1050 bp
Locus ID:	1088
UniProt ID:	P31997
Cytogenetics:	19q13.2
Domains:	ig, IGc2, IG

Gene Summary:

Cell surface glycoprotein that plays a role in cell adhesion in a calcium-independent manner (PubMed:8776764, PubMed:2022629, PubMed:11590190). Mediates heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:8776764, PubMed:2022629, PubMed:11590190). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764).[UniProtKB/Swiss-Prot Function]