

## Product datasheet for **SC324519**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_001816.2  
 AGCCGTGCTCAGAAAATTTCTGGATCCCAGGCTCATCTCCACAGAGGAGAACACGCAGGC  
 AGCAGAGACCATGGGGCCCATCTCAGCCCTTCTGCAGATGGCGCATCCCCTGGCAGGG  
 GCTCCTGCTCACAGCCTCACTTTTACCTTCTGGAACCCGCCACCAGTCTCAGCTCAC  
 TATTGAAGCTGTGCCATCCAATGCTGCAGAGGGGAAGGAGTTCTTCTACTTGTCCACAA  
 TCTGCCCCAGGACCCTCGTGGCTACAACCTGGTACAAAGGGGAAACAGTGGATGCCAACCG  
 TCGAATTATAGGATATGTAATATCAAATCAAACAGATTACCCAGGGCCTGCATACAGCAA  
 TCGAGAGACAATATACCCAATGCATCCCTGCTGATGCGGAACGTCACCAGAAATGACAC  
 AGGATCCTACACCCTACAAGTCATAAAGCTAAATCTTATGAGTGAAGAAGTAACTGGCCA  
 GTTCAGCGTACATCCGGAGACTCCCAAGCCCTCCATCTCCAGCAACAACCTCAACCCCGT  
 GGAGGACAAGGATGCTGTGGCCTTACCTGTGAACCTGAGACTCAGAACAACCTACCT  
 GTGGTGGGTAATGGTCAGAGTCTCCCGGTGAGTCCCAGGCTGCAGTGTCCAATGGCAA  
 CAGGACCCTCACTCTACTCAGTGCACAAGGAATGACGTAGGACCCTATGAATGTGAAAT  
 ACAGAACCAGCGAGTGCAACTTCAGTGACCCAGTACCCTGAATGTCTCTATGGCCC  
 AGATGCCCCACCATTTCCCTTCCAGACCTATTACCATGCAGGGGTAATCTCAACCT  
 CTCCTGCCATGCGGCCTTAATCCACCCTCACAGTATTCTTGGTCTGTCAATGGCACATT  
 CCAGCAATACACACAAAAGCTCTTTATCCCAACATCACTACAAAAGAACAGCGGATCCTA  
 TGCTGCCACACCACTAACTCAGCCACTGGCCGCAACAGGACCACAGTCAGGATGATCAC  
 AGTCTCTGATGCTTAGTACAAGGAAGTTCTCCTGGCCTCTCAGCTAGAGCCACTGTCAG  
 CATCATGATTGGAGTACTGGCCAGGGTGGCTCTGATATAGTAGCTCTGGTGTAGTTTCTG  
 CATTTCAAGAAGACTGGCAGACAGTTGTTTTATTTCTTCTCAAAGCATTGCAATCAGC  
 TACCATTCAAAATGCTTCTTCAAGATTTATGGAAAATACTCTGACGAGTACTCTTG  
 AACACAAGTTCTGATAACTTTAAGATCAGCCACTGGACTGTCTATGAACCTGCAACA  
 GGCTGATACCTTTGTGAAGTTGCCACCAAAACACAGAAGGAAAAAACATGAATTTTCA  
 TGAACATAATAATGAGGATAATGTTTTAAGATTTTTTTTTTTTTTTGAGATGGAAT  
 CTCGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCACGATCTCAACTCACTGCAAGCTCCGC  
 CTCCTGGGTTACACCATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGACTACAGGCGCC  
 TGCCACAACGCCCGCTAATTTTTGTATTTTAGTAGAGACGGGTTTCACTGTGGTCT  
 CAATCTCCTGACTTCATGGTCCGCTGCCTCAGCCTCCCAAAGTCTGGGATTACAGGTG  
 TGAGCCACCGCGCCAGCCGTTTTAAGATTTTTATTTGAAAAATTGCCAATCTTTA  
 AGTGTCTTTTTTTCAGATTTATGAATTTCTTTATCTTTAAGCTATCTATACCTTACTG  
 CAATTTGGTAAAGCAGACTTTTGTGAACAAAAATTATAACATTTACTTTTGTCCCTACC  
 TGAAGTCCACAGAACTGGGCAACTATTCATGAGTATTCATATGTTTATGGTAATTCAGTT  
 ATTTGCACAAGTTCAGTGAGAATCTGCTGTCTTATAATGGGATATAGTTTAAAACATTG  
 GTTATATTACCAAGGCTTTGATTGGGATGTTATATTTGAGAAAATACAGAGAATGATAGA  
 TTAACGGAGTGTCTAATCTATCGTGTCAACCCAAATTTTACGTATGAGATCCTTTAGT  
 CCACCAATGGCTGACAGTAACAGCATCTTTAACACAACCTTTTGTTCAAATGACTATG  
 GTCTCTTTTAGAGTCAGACTCCTAGACTCACTTGTCTCACTGTCTGTTTTAATTTAAC  
 CAGGCATGCAATGCTAGATAATAAAATTGCTCCCTATTGGCTGATCAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001816

**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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001816.2</a> , <a href="#">NP_001807.2</a>
<b>RefSeq Size:</b>	2297 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	1088
<b>UniProt ID:</b>	<a href="#">P31997</a>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	ig, IGc2, IG
<b>Gene Summary:</b>	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]