

Product datasheet for **SC316550**

CD166 (ALCAM) (NM_001627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD166 (ALCAM) (NM_001627) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD166
Synonyms:	CD166; MEMD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001627 edited
 ATGGAATCCAAGGGGCCAGTTCCTGCCGTCTGCTCTTCTGCCTTTGATCTCCGCCACC
 GTCTTCAGGCCAGGCCTTGGATGGTATACTGTAATTCAGCATATGGAGATACCATTATC
 ATACCTTGCCGACTTGACGTACCTCAGAATCTCATGTTTGGCAAATGGAAATATGAAAAG
 CCCGATGGCTCCCAGTATTTATTGCCTTCAGATCCTCTACAAAGAAAAGTGTGCAGTAC
 GACGATGTACCAGAATACAAAGACAGATTGAACCTCTCAGAAAACACTACTTTGTCTATC
 AGTAATGCAAGGATCAGTGTGAAAAGAGATTTGTGTGCATGCTAGTAACTGAGGACAAC
 GTGTTTGAGGCACCTACAATAGTCAAGGTGTTCAAGCAACCATCTAAACCTGAAATTGTA
 AGCAAAGCACTGTTTCTCGAAACAGAGCAGCTAAAAAAGTTGGTGACTGCATTTTCAGAA
 GACAGTTATCCAGATGGCAATATCACATGGTACAGGAATGGAAAAGTGCTACATCCCCTT
 GAAGGAGCGGTGGTCATAATTTTTAAAAAGGAAATGGACCCAGTGACTCAGCTCTATACC
 ATGACTTCCACCCTGGAGTACAAGACAACCAAGGCTGACATACAAATGCCATTCACCTGC
 TCGGTGACATATTATGGACCATCTGGCCAGAAAACAATTCATTCTGAACAGGCAGTATTT
 GATATTTACTATCCTACAGAGCAGGTGACAATACAAGTGTGCCACCAAAAAGTCCATC
 AAAGAAGGGGATAACATCACTCTTAAATGCTTAGGGAATGGCAACCTCCCCAGAGGAA
 TTTTTGTTTTACTTACCAGGACAGCCCGAAGGAATAAGAAGCTCAAATACTTACACACTG
 ACGGATGTGAGGCGCAATGCAACAGGAGACTACAAGTGTCCCTGATAGACAAAAAAGC
 ATGATTGCTTCAACAGCCATCACAGTTCCTACTATTTGGATTTGTCCTTAAACCCAAGTGG
 GAAGTGACTAGACAGATTGGTGTGCCCTACCCGTGTCATGCACAATATCTGCTAGCAGG
 AATGCAACTGTGGTATGGATGAAAGATAACATCAGGCTTCGATCTAGCCCGTCATTTTCT
 AGTCTTCATTATCAGGATGCTGGAACTATGTCTGCGAACTGCTCTGCAGGAGGTTGAA
 GGACTAAAGAAAAGAGAGTCACTGACTCTCATTGTAAGAAGCAAACCTCAAATAAAAATG
 ACAAGAAAACATGATCCAGTGGACTATCTAAAACAATAATCTGCCATGTGGAAGGTTTT
 CCAAAGCCAGCCATTCAATGGACAATTACTGGCAGTGGAAAGCGTCATAAACCAAACAGAG
 GAATCTCCTTATATTAATGGCAGGTATTATAGTAAAATTATCATTCCCTGAAGAGAAT
 GTTACATTAACCTGCACAGCAGAAAACCACTGGAGAGAACAGTAAACTCCTTGAATGTC
 TCTGCTATAAGTATTCCAGAACACGATGAGGCAGACGAGATAAGTGATGAAAACAGAGAA
 AAGGTGAATGACCAGGCAAACTAATTGTGGGAATCGTTGTTGGTCTCCTCCTTGCTGCC
 CTTGTTGCTGGTGTCTACTGGCTGTACATGAAGAAGTCAAAGACTGCATCAAACAT
 GTAACAAGGACCTCGGTAATATGGAAGAAAACAAAAAGTTAGAAGAAAACAATCACAAA
 ACTGAAGCCTAA

Restriction Sites: Please inquire

ACCN: NM_001627

Insert Size: 3700 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).

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:	NM_001627.2 , NP_001618.2
RefSeq Size:	4760 bp
RefSeq ORF:	1752 bp
Locus ID:	214
UniProt ID:	Q13740
Cytogenetics:	3q13.11
Domains:	ig
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigen CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>