

Product datasheet for **SC330111**

CD166 (ALCAM) (NM_001243280) Human Untagged Clone

Product data:

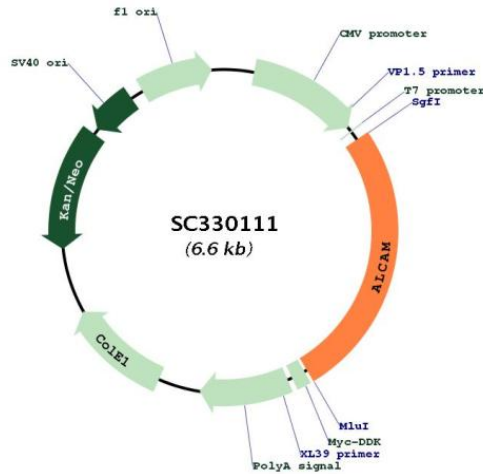
Product Type: Expression Plasmids
Product Name: CD166 (ALCAM) (NM_001243280) Human Untagged Clone
Tag: Tag Free
Symbol: ALCAM
Synonyms: CD166; MEMD
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330111 representing NM_001243280.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAATCCAAGGGGCCAGTTCCTGCCGCTGCTCTTCTGCCTCTTGATCTCCGCCACCGTCTTCAGG
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GGTAATATGGAAGAAAACAAAAGTTAGAAGAAAACAATCACAAAACCTGAAGCCTAA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001243280

Insert Size: 1713 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:

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_001243280.1](#)

RefSeq Size: 4884 bp

RefSeq ORF: 1713 bp

Locus ID: 214

UniProt ID: [Q13740](#)

Cytogenetics: 3q13.11

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 63.7 kDa

Gene Summary: 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 antigene 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]
Transcript Variant: This variant (2) lacks an in-frame exon in the 3' CDS, compared to variant 1. The resulting isoform (2) lacks an internal segment in the C-terminal region, compared to 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.