

Product datasheet for **SC300145**

CD11c (ITGAX) (NM_000887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD11c (ITGAX) (NM_000887) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD11c
Synonyms:	CD11C; SLEB6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000887 edited
 ATGACCAGGACCAGGGCAGCACTCCTCCTGTTCCACAGCCTTAGCAACTTCTCTAGGTTTC
 AACTTGGACACAGAGGAGCTGACAGCCTTCCGTGTGGACAGCGTGGGTTTGGAGACAGC
 GTGGTCCAGTATGCCAACTCCTGGGTGGTGGTTGGAGCCCCCAAAGATAACAGCTGCC
 AACCAAACGGGTGGCCTCTACCAGTGTGGCTACAGCACTGGTGCCTGTGAGCCCCATCGGC
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 AGCCCTTCCCAGCTGCTGGCCTGCGGCCACCCTGCACCACGAGTGGGGAGGAACATG
 TACCTACCGGACTCTGCTTCTCCTGGGCCACCCAGCTCACCCAGAGGCTCCCGGTG
 TCCAGGCAGGAGTGCCAAGACAGGAGCAGGACATTGTGTTCTGATCGATGGCTCAGGC
 AGCATCTCCTCCCGCACTTTGCCACGATGATGAACTTCGTGAGAGCTGTGATAAGCCAG
 TTCCAGAGACCCAGCACCCAGTTTTCCCTGATGCAGTTCTCCAACAAATCCAAACACAC
 TCACTTTCGAGGAATTCAGGCGCAGCTCAAACCCCTCAGCCTGTTGGCTTCTGTTAC
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 CCCCATTACTACGAGCAGACCCGAGGGGCCAGGTGTCTGTGTGTCCCTTGGCCAGGGG
 TGGAGAAGGTGGTGGTGTGATGCTTCTACGGGGAGCAGGGCCACCCCTGGGGTCCG



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AGTGAGAAATGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_000887
- Insert Size:** 3500 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:

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_000887.3](#), [NP_000878.2](#)

RefSeq Size: 4666 bp

RefSeq ORF: 3492 bp

Locus ID: 3687

UniProt ID: [P20702](#)

Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Regulation of actin cytoskeleton

Gene Summary: This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]

Transcript Variant: This variant (2) lacks an alternate intron in the 3' coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus 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.