

Product datasheet for **RC240019**

CD11c (ITGAX) (NM_001286375) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD11c (ITGAX) (NM_001286375) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ITGAX
Synonyms: CD11C; SLEB6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC240019 representing NM_001286375
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

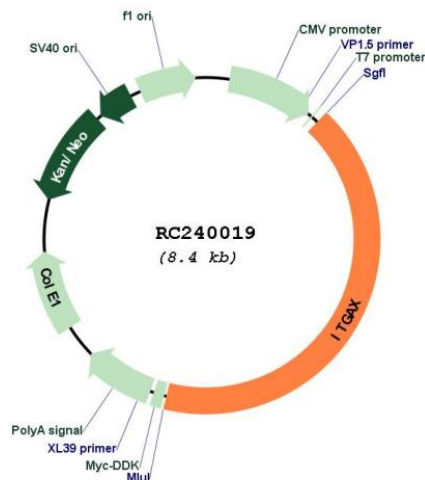
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 CTGGGTGGTGGTGGAGCCCCAAAAGATAACAGCTGCCAACCAACGGGTGGCCTCTACCAGTGTGGC
 TACAGCACTGGTGCCTGTGAGCCATCGGCCTGCAGGTGCCCGGAGGCGTGAACATGTCCCTGGGCC
 TGTCCTGGCGTCTACCACCAGCCCTCCAGCTGCTGGCCTGCGGCCACCCGTGCACCACGAGTGC GG
 GAGGAACATGTACCTCACCGACTCTGCTTCTCCTGGGCCCCACCCAGCTCACCCAGAGGCTCCCGGTG
 TCCAGGCAGGAGTGCCCAAGACAGGAGCAGGACATTGTGTTCTGATCGATGGCTCAGGCAGCATCTCT
 CCCGCACTTTGCCACGATGATGAACTTCGTGAGAGCTGTGATAAGCCAGTTCAGAGACCCAGCACCCA
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AGGGCCACCCCTGGGGTCGCTTTGGGGCGGCTCTGACAGTGCTGGGGGATGTGAATGGGGACAAGCTGAC
AGACGTGGTCATCGGGGCCCCAGGAGAGGAGGAGAACCGGGGTGCTGTCTACCTGTTTCACGGAGCTTG
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GCACTCATCACAGCGGTACTGTACAAAGTTGGCTTCTTCAAGCGTCAGTACAAGGAAATGATGGAGGAGG
CAAATGGACAAATTGCCCCAGAAAACGGGACACAGACCCCGCCACTCCCATTACCCTCAGGA
CAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001286375

ORF Size: 3507 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001286375.2](#)

RefSeq Size: 4149 bp

RefSeq ORF: 3510 bp

Locus ID: 3687

UniProt ID: [P20702](#)

Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Regulation of actin cytoskeleton

MW: 129 kDa

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]