

Product datasheet for **SC126118**

CD300 antigen (CD300A) (NM_007261) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD300 antigen (CD300A) (NM_007261) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD300 antigen
Synonyms:	CLM-8; CMRF-35-H9; CMRF-35H; CMRF35-H; CMRF35-H9; CMRF35H; CMRF35H9; IGSF12; IRC1; IRC1/IRC2; IRC2; IRp60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007261 edited
TACGGAGTCACTACAGGGAGAGGTCTCATCACTAGAAATAGCCGAAGAACCTGCAGCCTC
AACCAGCGTTAAGGAGGACGTGCCGTTTCTAGGGAGTCTTAGTCGGGGCTCACCAGCTTC
CTGCATTTTCTGACCGGCTCCAGGAATAGAACCAAAAGAAGCTGAACAAGGAAGCAGCGC
GGCACCAAGAAAAGCAGAAGTCGGGGCCTTGGAGGCGTGACTTCCCCTCGGGTCCAGGT
AGGGCTGGAGCTGCTGCAAGTGCCGCTGTGCTGGGAAGGGACCATGTGGCTGCCTTG
GGCTCTGTTGCTTCTCTGGGTCCCAGGATGTTTTGCTCTGAGCAAATGCAGGACCTGGC
GGCCCCGTGGGGGATCCCTGAGTGTGCAAGTGTCCCTATGAGAAGGAACACAGGACCT
CAACAAATACTGGTGCAGACCACCACAGATTTTCTATGTGACAAGATTGTGGAGACCAA
AGGGTCAGCAGGAAAAGGAACGGCCGAGTGCCATCAGGGACAGTCTGCAAACCTCAG
CTTCACAGTGACCCTGGAGAATCTCACAGAGGAGGATGCAGGCACCTACTGGTGTGGGT
GGATACACCATGGCTCCGAGACTTTCATGATCCCCTTGTGAGGTTGAGGTGTCCGTGTT
CCCAGCATCAACGTCAATGACACCTGCAAGTACTGCGGCCAAGACCTCAACAATCAC
AACTGCATTTCCACCTGTATCATCCACTACCCTGTTTGCAGTGGGTGCCACCCACAGTGC
CAGCATCCAGGAGAACTGAGGAGGTGGTGAAGTACAGCTCCCGCTGCTCCTCCTCCT
GCTGGCATTGTTGCTGCTTCTGTTGGTGGGGCCTCCCTGCTAGCTGGAGGATGTTTCA
GAAATGGATCAAAGCTGGTGACCATTGAGAGCTGTCCCAGAACCCTCAAGCAGGCTGCCAC
GCAGAGTGAGCTGCACTACGCAAATCTGGAGCTGCTGATGTGGCCTCTGCAGGAAAAGCC
AGCACCACCAAGGGAGGTGGAGGTGGAATACAGCACTGTGGCCTCCCCAGGGAAGAACT
TCACTATGCCTCGGTGGTGTGTTGATTCTAACACCAACAGGATAGCTGCTCAGAGGCTCG
GGAGGAGGAACAGATTACAGTTACAGTGTGATAAGGAAGACATAGGCTTTTGTCTGCTG
TCGCCATCGGAGCTCTCATGGGCCCCAGGAAGTCCAGGGACAGCTCCCTTATACCTGGCC
CACGCTCTTCTCAGCCTGCCCTCGACAACAGTGACCAACAGACAGGCAGCTGGGTTTCCC
AGGCCATCCCTCTGTTGCCATCAGCTTGATTGGCTTCCCCGAGGGCCAGCAGGGCTGGGG
GCTCCGGAGAGCAGCAGGAAGCACTCCCAGCCACCAGTGCCTGTACCTTTTCCCCTTT
GCCCTGCTTCATCCCAGCTCTGTGTGGAGGACAAAGCTTCTTCTGCGTGGTCCAG
GAAAAGATGTGGCTCACGTAGGTGGCACCTGCCAATAGCTTTGTCAATCACAGCCCATA
GGAACGTCTGGAATTGCTTGGGAGTTGGGGAGAACTGTCAAGAAGAGTGAAGAGAGTGCC
AAAGCGGAGATCTGTTACCTGGGGCCATGGAGGGGGACCCACTAAAGATCAAGATCA
AAGATTCTCCCCATCTCACAGACAAGGAACTGAGGCCAGAGGGAGGAGAGAATTGCTCA
TGGCTCCAGAACTGGTGGCAAGTTTCTCTGGACTCTTAGGTTTATTTTTAATATGAAATA
TAAAAACAGTTTCAAATATCTTATTGAGGGAGAAGTAAAAACTTATTTAAACAAAAA
AAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007261 unedited
GTGCGGTTTCGATTTTGTAAACGACTCACTATAGGGNCGCGCCGTAATTCAGTTGCT
GGCTACCGGCTCCGGTAATTCCTGGGTATACGGAGTCACTACAGGGAGAGGTCTCATCAC
TAGAAAAGCCGAAGAACCTGCAGCCTCAACCAGCGTTAAGGAGGACGTGCCGTTTCTAGG
GAGTCTTAGTCGGGGCTCACCAGCTTCTGCATTTTCTGACCGGCTCCAGGAATAGAACC
AAAAGAAGCTGAACAAGGAAGCAGCGCGCACCAAGAAAAGCAGAAGTCGGGGCCTTGA
GGCGTGACTTCCCCTCGGTCCAGGTAGGGCTGGAGCTGCTGCAAGTGCCGCTGTGC
TGGGAAGGGACCATGTGGCTGCCTTGGGCTCTGTTGCTTCTCTGGGTCCAGGATGTTT
TGCTCTGAGCAAATGCAGGACCTGGCGGGCCCGTGGGGGATCCCTGAGTGTGCAAGT
TCCCTATGAGAAGGAACACAGGACCTCAACAAATACTGGTGCAGACCACCACAGATTTT
CCTATGTGACAAGATTGTGGAGACCAAGGGTCAGCAGGAAAAGGAACGGCCGAGTGTC
CATCAGGGACAGTCTGGAAACCTCACCTTCCCAGTGCCCTGGAGAATCTCACAGAAGA
GGATGCAGGCACCTACTGGTGTGGGGGGATACACCATGGTCCGAGACTTTATGATCCC
GTGGTAAGGGTGAAGTGTCCCGTTCCGGGATACAGGTCAATGACCCTGCAGTTTCACT
GCGGCCAAACCTAAACAATGACACTGGTGTACCCTGGTCCGACTCGCCGTTGAGCG
GGTTGCCCCACGGGGCAGCCCGGGGAAAACGGGATGG

Restriction Sites: NotI-NotI

ACCN:	NM_007261
Insert Size:	1900 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<u>NM_007261.2</u> , <u>NP_009192.2</u>
RefSeq Size:	1911 bp
RefSeq ORF:	900 bp
Locus ID:	11314
UniProt ID:	<u>Q9UGN4</u>
Cytogenetics:	17q25.1
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of the CD300 glycoprotein family of cell surface proteins found on leukocytes involved in immune response signaling pathways. This gene is located on chromosome 17 in a cluster with all but one of the other family members. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1), also referred to as IRC1a.</p>