

## Product datasheet for **SC117727**

### CD84 (NM\_003874) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD84 (NM_003874) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD84
Synonyms:	hCD84; LY9B; mCD84; SLAMF5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_003874 edited
GAATTCGGCACGAGGCTTTTCCACAGAAGGTTAGACCCTGAAAGAGATGGCTCAGCACCA
CCTATGGATCTTGCTCCTTTGCCTGCAAACCTGGCCGGAAGCAGCTGGAAAAGACTCAGA
AATCTTACAGTGAATGGGATTCTGGGAGAGTCAGTCACTTTCCCTGTAAATATCCAAGA
ACCACGGCAAGTAAAATCATTGCTTGGACTTCTAAAACATCTGTTGCTTATGTAACACC
AGGAGACTCAGAAACAGCACCCGTAGTTACTGTGACCCACAGAAATATTATGAACGGAT
ACATGCCTTAGGTCGGAACATACTGGTCATTAGCGATCTGAGGATGGAAGACGCAGG
AGACTACAAAGCAGACATAAATACACAGGCTGATCCCTACACCACCACCAAGCGCTACAA
CCTGCAAATCTATCGTCGGCTTGGGAAACCAAAAATTACACAGAGTTAATGGCATCTGT
GAACAGCACCTGTAATGTCACACTGACATGCTCTGTAGAGAAAAGAAGAAAAGAATGTGAC
ATACAATTGGAGTCCCCTGGGAGAAGAGGGTAATGTCCTTCAAATCTTCCAGACTCCTGA
GGACCAAGAGCTGACTTACACGTGTACAGCCCAGAACCCTGTGAGCAACAATTCTGACTC
CATCTCTGCCCGCAGCTCTGTGCAGACATCGCAATGGGCTTCCGTACTCACCACACCGG
GTTGCTGAGCGTCTGGCTATGTTCTTTCTGCTTGTCTCATTCTGTCTTCAGTGTTTTT
GTTCCGTTTGTTCAAGAGAAGACAAGATGCTGCCTCAAAGAAAACCATATACACATATAT
CATGGCTTCAAGGAACACCCAGCCAGCAGAGTCCAGAATCTATGATGAAATCCTGCAGTC
CAAGGTGCTTCCCTCAAAGGAAGAGCCAGTGAACACAGTTTATTCCGAAGTGCAGTTTGC
TGATAAGATGGGAAAGCCAGCACACAGGACAGTAAACCTCCTGGGACTTCAAGCTATGA
AATTGTGATCTAGGCTGCTGGGCTGAATTCTCCCTCTGGAACCTGAGTTACAACCACAA
TACTGGCAGGTTCCCTGGATCCAGATCTTCTCTGCCAACTCTTACTGGGAGATTGCAAA
CTGCCACATCTCAGCCTGAAGCAAAGCAGGAAACCTTCTGCTGGGCATAGCTTGTGCT
AAATGGACAAATGGATGCATACCCTTCTGAAATGACTCCCTTCTGAATGAATGACAAAG
CAGGTTACCTAGTATAGTTTTCCCAAACCTTCTCCCATCATAGCACATGTAGAAAATAAT
ATTTTTATGGCACACTGGGATAAACAAGCAAGATTGCTCACTTCTGGAAGCTGCATATGA
CTAGAGGCTTCTGTGACTGGAGGTAACAACCCTGCCAGTAACTGTGGGAGAAGGGGAT
CAATATTTTGCACACCTGTAATAGGCCATGGCACACCAGCCAAGATGCTCTGCTCACAGT
CAGTATGTGTGAAGATCCCTGGTGCCTGGCCTTACCACGCATCTTGGAGCAAAATTAGGAA
AACGTACCCTTCGCTTGGAGCAGATGCAGCCCTTCCCCCAGTGCATGGCTTGGAGAGCA
GAATGTGGGCTGCATATAAGCACACTCATCCCTTXXXXXXXXXXXXXXXXCCAGATGCAC
CATGCATGCTCACAGTCCCTTGCCTATGTGTGGCAGAGTGTCCCAGCCAGATGTGTGCC
TCACCCCATGTCCATTTACATGCCTTCAATGCCACCTCAAAGGTACCTCTTCTGTAA
AGCTTTCCCTGGTATCAGGAATCAAATAAATCAGGGATCTTTTACACTGCTGTTTTTT
CCTCTTTGGTCTTCTATCACTAAAACCTCATCTCATTACGCTTACAGCATAACTAATTA
TTTGTCTTCTCACTACATTGTACATGTGGGAATTACAGATAAACGGAAGCCGGCTGGGG
TGGTGGCTCACGCTGTAAACCCAACTTTGGGAGGCCAAGGCAGGCGGATCACCTGAG
GTCAGGAGTTCGAGATTAGTCTGGCCAACATGGTGAACCCCATCTCTACTAAAAATACG
AAATTAGCCAGGTGTGGTGGCACACATCTGTAGTCCCAGCTACTCTGGAGGCTGAGACAG
GAGAATCGCTTGAACCCAGGAAGTGGAGGTTGCAGTGAGCTGAGATCACACCACTGCAT
CCAGCTGGGAGAGAGAGAGTGGACTCCATCTCAAAAAAAAAAAAAAAAAAACTCGAC
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003874 unedited  
 NNCCC GTT CGAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCTTTT  
 CCACANAAGGTTAGACCCTGAAAGAGAGGCTCAGCACCACCTATGGATCTTGCTCCTTTG  
 CCTGCAAACCTGGCCGGAAGCAGCTGAAAAGACTCAGAAATCTTCACAGTGAATGGGAT  
 TCTGGGAGAGTCAGTCACCTTCCCTGTAATATCCAAGAACCACGGCAAGTTAAATCAT  
 TGCTTGGACTTCTAAAACATCTGTTGCTTATGTAACACCAGGAGACTCAGAAACAGCACC  
 CGTAGTTACTGTGACCCACAGAAATTATTATGAACGGATACATGCCTTAGGTCCGAACTA  
 CAATCTGGTCATTAGCGATCTGAGGATGGAAGACGCAGGAGACTACAAAGCAGACATAAA  
 TACACAGGCTGATCCCTACACCACCACCAAGCGCTACAACCTGCAAACTATCGTCGGCT  
 TGGGAAACCAAAAATTACACAGAGTTTAAATGGCATCTGTGAACAGCACCTGTAATGTCAC  
 ACTGACATGCTCTGTAGAGAAAGAAGAAAAGAATGTGACATAACAATTGGAGTCCCCTGGG  
 AGAAGAGGGTAATGTCCTTCAAATCTTCAGACTCCTGAGGACCAAGAGCTGACTTACAC  
 GTGTACAGCCCAGAACCCTGTCAGCAACAATTCTGACTCCATCTGCCCCGAGCTCTG  
 TGCAGACATCGCAATGGGCTTCCGTACTACCACACCGGGTTGCTGAGCGTGCTGGCTAT  
 GTTCTTTCTGCTTGGTCTATTCTGTCTNCAAGTGTTCCTCCGTTTGGTTCCAGAGAA  
 GACAGATGCTGCCTCANAGAAACATATACACTATNTCATGGCTTCAGGNACCCAGCAG  
 CAGATC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003874 unedited  
 CGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTGAGATGGAGTCTCACTCTCTCTC  
 CCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTGCAACCTCCACTTCTGGGTTCAA  
 GCGATTCTCTGTCTCAGCCTCCAGAGTAGCTGGGACTACAGATGTGTGCCACCACACCT  
 GGCTAATTTTCGTATTTTTAGTAGAGATGGGGTTTACCATGTTGGCCAGACTAATCTCGA  
 ACTCCTGACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAAGTGTGGGGTTACAGGCGT  
 GAGCCACCACCCAGCCGGCTTCCGTTTATCTGTAATCCACATGTACAATGTAGTGAG  
 GAAAACAAATAATTAGTTATGCTGTAAGGCTGAATGAGATGAGTTTTAGTGATAGAAGGA  
 CCAAAGAGGAAAAACAGCAGTGTGAAAAGATCCCTGATTAATTTTATTCTGATACCA  
 GGGAAAGCTTTACAGAAGAGGTACCTTTTGAGGTGGGCATTGAAGGACATGTAATGGAC  
 ATGGGGTGAGGGCACACATCTGGCTGGGACACTTGCCACCCTATGCAAGGGACTGTGAG  
 CATGCTTGGTGCATCTGAAGAGGTGCCTTGAATACACCCACTGATCCAGGCCCTGCTC  
 ATTTTTATGCTTCTCACTGGAGGCCCTTGTTTTCCCATTTTTATCCAATTTATCCTTC  
 CTTAAGCCAACCTTACCCTGCCCTATAAAGGATTTTCTGACCGGAGCTCTTCTTGCGCT  
 GCAGTCACCGTCACCGCGCGCGGGGCCGAATGCCCTGACCTCCAGAACACACTTTGGC  
 CATCTTTTATTTGGGCCCTTGCAGTCTAAAATCGGTAAGGGTCGGGGCTCCCGACCTCTG  
 GTTCTTTCTGGGAGGTCTTTTCGCTATTGCTCCATGTTGTCCCGTCTTTTCTGGGT  
 GGATCTCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003874

**Insert Size:**

3520 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\\_003874.1](#), [NP\\_003865.1](#)

**RefSeq Size:** 3299 bp

**RefSeq ORF:** 987 bp

**Locus ID:** 8832

**UniProt ID:** [Q9UIB8](#)

**Cytogenetics:** 1q23.3

**Domains:** IG

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a membrane glycoprotein that is a member of the signaling lymphocyte activation molecule (SLAM) family. This family forms a subset of the larger CD2 cell-surface receptor Ig superfamily. The encoded protein is a homophilic adhesion molecule that is expressed in numerous immune cells types and is involved in regulating receptor-mediated signaling in those cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (2) lacks an alternate, in-frame segment, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1. This variant has also been called CD84c. 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.