

Product datasheet for **SC117490**

CD83 (NM_004233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD83 (NM_004233) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD83
Synonyms:	BL11; HB15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004233 edited ATGTCGCGCGGCCTCCAGCTTCTGCTCCTGAGCTGCGCCTACAGCCTGGCTCCC GCGACG CCGGAGGTGAAGGTGGCTTGCTCCGAAGATGTGGACTTGCCTGCACCGCCCCCTGGGAT CCGCAGGTTCCCTACACGGTCTCCTGGGTCAAGTTATTGGAGGGTGGTGAAGAGAGGATG GAGACACCCAGGAAGACCACCTCAGAGGACAGCACTATCATCAGAAGGGGCAAAATGGT TCTTTCGACGCCCAATGAAAGGCCCTATTCCCTGAAGATCCGAAACTACCAGCTGC AACTCGGGGACATACAGGTGCACTCTGCAGGACCCGGATGGGCAGAGAAACCTAAGTGGC AAGGTGATCTTGAGAGTGACAGGATGCCCTGCACAGCGTAAAGAAGAGACTTTTAAGAAA TACAGAGCGGAGATTGCTCTGCTGGCTCTGGTTATTTCTACTTAACACTCATCATT TTCCTTGTAAAGTTTGCACGGCTACAGAGTATCTCCAGATTTTCTAAAGCTGGCATG GAACGAGCTTTTCTCCAGTTACCTCCCAATAAGCATTTAGGGCTAGTGACTCCTCAC AAGACAGAACTGGTATGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004233 unedited
 NGGGTGCGATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACCAGGCGCAGCGC
 TCCAGCCATGTCGCGCGGCTCCAGCTTCTGCTCCTGAGCTGCGCCTACAGCCTGGCTCC
 CGCGACGCCGGAGGTGAAGGTGGCTTGTCCGAAGATGTGGACTTGCCCTGCACCGCCCC
 CTGGGATCCGCAGGTTCCCTACACGGTCTCCTGGGTCAAGTTATTGGAGGGTGGTGAAGA
 GAGGATGGAGACACCCCAGGAAGACCCTCAGAGGACAGCACTATCATCAGAAGGGGCA
 AAATGGTTCTTTTCGACGCCCCCAATGAAAGGCCCTATCCCTGAAGATCCGAAACACTAC
 CAGCTGCAACTCGGGACATACAGGTGCACTCTGCAGGACCCGGATGGGCAGAGAAACCT
 AAGTGGCAAGGTGATCTTGAGAGTGACAGGATGCCCTGCACAGCGTAAAGAAGAGACTTT
 TAAGAAATACAGAGCGGAGATTGTCTGCTGCTGGCTCTGGTTATTTTCTACTTAACACT
 CATCATTTTCACTTGTAAGTTTGCACGGCTACAGAGTATCTTCCCAGATTTTCTAAAGC
 TGGCATGGAACGAGCTTTTCTCCAGTTACCTCCCAAATAAGCATTTAGGGCTAGTGAC
 TCCTCACAAAGACAGAAGTGGTATGAGCAGGATTTCTGCAGGTTCTTCTCCTGAAGCTGA
 GGCTCAGGGGTGTGCTGTCTGTACACTGGAGGAGAGAAGAATGAGCCTACGCTGAAGA
 TGGCATCTGTGAAGTCCTTACCTCACTGAAAACATCTGAAGGGGATCCACCCCATTT
 TCTGTGGCAGGCTCGAAACCATCCATGACCCATAGCATGAGCCCTGCTGCTTCTCATG
 GCCCTTTTCAGCGTGTATGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004233 unedited
 NCATCTGNACCCGGCCGAATCTANGATCGTTTTTTTTTTTTTTTTTTTTTTTAAACATGCA
 TACGTTTAATAACATGAAAGCCAAAACAGAGGTAAAAACTAAATCAACTTGGTATCCG
 TTTTACTCCCTAATATTAGGGGGACAGTGAACATATAACTCAAGCAATAAAATGCCTTTG
 GAAACCAAGAAGGAAGGGCCCAAGTTTGATAAGGGAAAGCCAACAATGGCTAAAACATC
 CATGCAACACTTCGTGAAGTCCCTTCTGCCAGCGGCTCCCGTGTGTCCATATCTTGGAGT
 GTGTTAGGCTACTGCTTCAAGAACAGACCGTGGACCTGGCTTCCCTCACTTCCCCAAAAGA
 ATTCCTACAGAAGGCTACAGGAAAGGCTTCTTGGTAACCTTCTTTGTTTCAAACAATGGA
 AAACATGAGAAATGGATAGCACCTCTCATCCCCAAAACCATCATCATAGCAAGGATA
 ATGACTCAATGGAGTTTCGAATCTGTATAGTGCTTTATATGTTTTCAAATAATTTTACAG
 TATATGATCTTCATTAGCCCATGCAACAGCCTTGTGGTTTACAATGGAGAAAGCAGACCC
 CAGAAGGAAGTTCCTAAGATCATGCACCCAGATAGGGGGACAAGTGTGCGAGCACCCAG
 ACTGCACCCGTAGCCCAACTTTTCCAGCCCGCCATAAAAATACTCTATCTTGACACC
 CTCTGTACTTTTTTCCCTTTTTATGTACGGCTGCCTGTTAGTCAACAATGCTTTTCC
 ACTTCCGATACCGATTTTCAAGCAGAAAAACCCAAACCTTTTTTTGCCAGTGCCTCTCG
 GATATATAAAATAAATGGGGGCCCTCTCTTTCTGGGTTCTTCTAGGGAGGCTCTCACAC
 AGAAAAAACCCGCTCGGGGAATACCCATAGACCCCGTCTTCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_004233

Insert Size:

2220 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_004233.2](#), [NP_004224.1](#)

RefSeq Size: 2574 bp

RefSeq ORF: 618 bp

Locus ID: 9308

UniProt ID: [Q01151](#)

Cytogenetics: 6p23

Domains: IG

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).