

Product datasheet for **RC205302**

CD83 (NM_004233) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD83 (NM_004233) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD83
Synonyms: BL11; HB15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC205302 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGCGCGGCCTCCAGCTTCTGCTCCTGAGCTGCGCCTACAGCCTGGCTCCCGCAGCCGGAGGTGA
AGGTGGCTTGTCCGAAGATGTGGACTTGCCTGCACCGCCCCCTGGGATCCGCAGGTCCCTACACGGT
CTCCTGGGTCAAGTTATTGGAGGTGGTGAAGAGAGGATGGAGACACCCAGGAAGACCACCTCAGGGGA
CAGCACTATCATCAGAAGGGGCAAAATGGTCTTTCGACGCCCAATGAAAGGCCCTATCCCTGAAGA
TCCGAAACACTACCAGCTGCAACTCGGGGACATACAGGTGCACTCTGCAGGACCCGGATGGGCAGAGAAA
CCTAAGTGGCAAGGTGATCTTGAGAGTGACAGGATGCCCTGCACAGCGTAAAGAAGAGACTTTTAAGAAA
TACAGAGCGGAGATTGCTCTGCTGCTGGCTCTGGTTATTTCTACTTAACACTCATCTTTTCACTTGTA
AGTTTGCACGGCTACAGAGTATCTTCCAGATTTTCTAAAGCTGGCATGGAACGAGCTTTTCTCCAGT
TACCTCCCAAAATAGCATTAGGGCTAGTGACTCCTCACAAGACAGAAGTGGTA

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205302 protein sequence
Red=Cloning site Green=Tags(s)

MSRGLQLLLLSCAYSLAPATPEVKVACSEDVDLPCTAPWDPQVPYTVSWVKLLEGG EERMETPQEDHLRG
QH YHQKQNGSFDAPNERPYS LKIRNTTSCNSGTYRCTLQDPDQQRNLSGKVILRV TGCPAQRKEETFCK
YRAEIVLLLALVIFYLTLII FTCKFARLQSI FPDFSKAGMERAFLPV TSPNKHLGLVTPHKTELV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

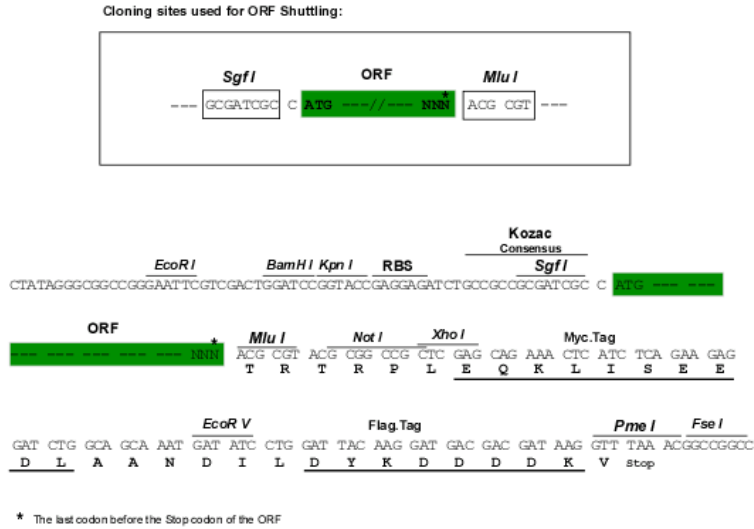
Chromatograms: https://cdn.origene.com/chromatograms/mk6026_d09.zip



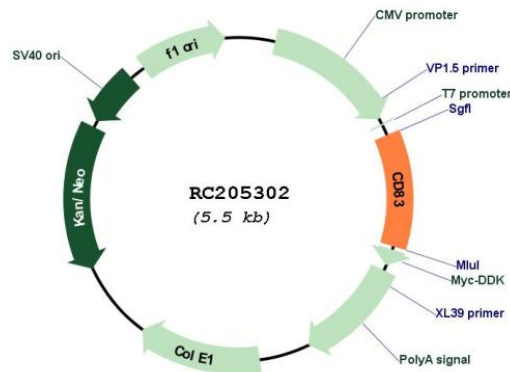
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_004233

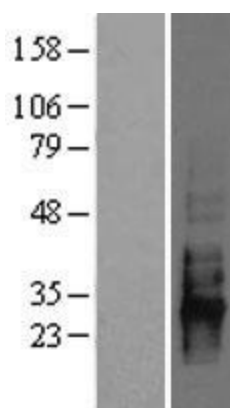
ORF Size: 615 bp

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](#)

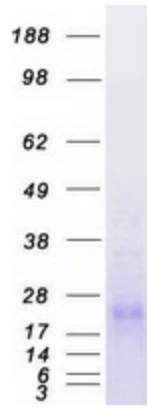
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<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:	NM_004233.4
RefSeq Size:	2478 bp
RefSeq ORF:	618 bp
Locus ID:	9308
UniProt ID:	Q01151
Cytogenetics:	6p23
Domains:	IG
Protein Families:	Transmembrane
MW:	23 kDa
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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY401360]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205302 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CD83 protein (Cat# [TP305302]). The protein was produced from HEK293T cells transfected with CD83 cDNA clone (Cat# RC205302) using MegaTran 2.0 (Cat# [TT210002]).