

Product datasheet for **RG205302**

CD83 (NM_004233) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD83 (NM_004233) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD83
Synonyms: BL11; HB15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205302 representing NM_004233
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCGCGCCTCCAGCTTCTGCTCCTGAGCTGCGCCTACAGCCTGGCTCCCGCAGCGCCGGAGGTGA
AGGTGGCTTGTCCGAAGATGTGGACTTGCCCTGCACCGCCCCCTGGGATCCGCAGGTTCCCTACACGGT
CTCCTGGGTCAAGTTATTGGAGGTGGTGAAGAGAGGATGGAGACACCCAGGAAGACCACCTCAGGGGA
CAGCACTATCATCAGAAGGGCAAATGGTTCTTTCGACGCCCAATGAAAGGCCCTATTCCTGAAGA
TCCGAAACTACCAGCTGCAACTCGGGGACATACAGGTGCACTCTGCAGGACCCGGATGGCAGAGAAA
CCTAAGTGGCAAGGTGATCTTGAGAGTGACAGGATGCCCTGCACAGCGTAAAGAAGAGACTTTTAAGAAA
TACAGAGCGGAGATTGTCTGCTGCTGGCTCTGGTTATTTCTACTTAACACTCATTTTTCACTTGTA
AGTTTGCACGGCTACAGAGTATCTCCAGATTTTCTAAAGCTGGCATGGAACGAGCTTTTCTCCAGT
TACCTCCCAAATAAGCATTTAGGGCTAGTGACTCCTACAAGACAGAAGTGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205302 representing NM_004233
Red=Cloning site Green=Tags(s)

MSRGLQLLLLSCAYSLAPATPEVKVACSEDVDLPCTAPWDPQVPYTVSWVKLLEGG EERMETPQEDHLRG
QHYHQKQNGSFDAPNERPYSKIRNTTSCNSGTYRCTLQDPDQQRNLGKVIILRVTGCPAQRKEETFKK
YRAEIVLLLLALVIFYLTLIIFTCKFARLQSIFFPDFSKAGMERAFLPVTSPNKHLLGLVTPHKTEL V

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


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:

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: 2574 bp

RefSeq ORF: 618 bp

Locus ID: 9308

UniProt ID: [Q01151](#)

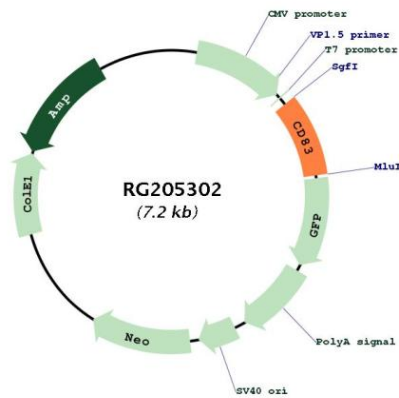
Cytogenetics: 6p23

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]

Product images:



Circular map for RG205302