

## Product datasheet for **RG231827**

### CD83 (NM\_001251901) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD83 (NM\_001251901) 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:** >RG231827 representing NM\_001251901  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGACACCCAGGAAGACCCTCAGGGGACAGCACTATCATCAGAAGGGGCAAAATGGTTCTTTTCG  
 ACGCCCCCAATGAAAGGCCCTATTCCTGAAGATCCGAAACTACCAGCTGCAACTCGGGGACATACAG  
 GTGCACCTGCAGGACCCGGATGGGCAGAGAAACCTAAGTGGCAAGGTGATCTTGAGAGTGACAGGATGC  
 CCTGCACAGCGTAAAGAAGAGACTTTTAAAGAAATACAGAGCGGAGATTGCTCTGCTGGCTCTGGTTA  
 TTTTCTACTTAACACTCATCTTTTCACTTGTAAAGTTTGCACGGCTACAGAGTATCTTCCAGATTTTTC  
 TAAAGCTGGCATGGAACGAGCTTTCTCCAGTTACCTCCCAAATAAGCATTTAGGGCTAGTGACTCCT  
 CACAAGACAGAAGTGGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231827 representing NM\_001251901  
 Red=Cloning site Green=Tags(s)

METPQEDHLRGQHYHQNGSFDAPNERPYSKIRNTTSCNSGTYRCTLQDPDQQRNLSGKVILRVTCG  
 PAQRKEETFKKYRAEIVLLLALVIFYLLIIFTCKFARLQSIFFPDFSKAGMERAFLPVTSPNKHGLVTP  
 HKTELV

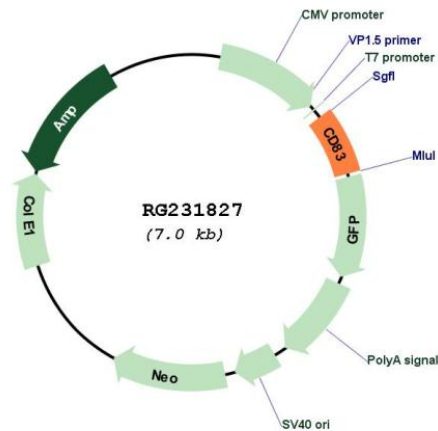
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001251901

ORF Size: 438 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001251901.1, NP_001238830.1</u>
<b>RefSeq Size:</b>	2307 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	9308
<b>UniProt ID:</b>	<u>Q01151</u>
<b>Cytogenetics:</b>	6p23
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]