

## Product datasheet for **RG221313**

### **DcR1 (TNFRSF10C) (NM\_003841) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DcR1 (TNFRSF10C) (NM\_003841) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DcR1  
**Synonyms:** CD263; DCR1; DCR1-TNFR; LIT; TRAIL-R3; TRAILR3; TRID  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG221313 representing NM\_003841  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAAGGGGTGAAGGAGCGCTTCTACCGTTAGGGAACCTGGGGACAGAGCGCCCCGGCCGCTGATG  
 GCCGAGGCAGGGTGCACCCAGGACCCAGGACGGCGTCGGGAACCATACCATGGCCCGGATCCCCAAGAC  
 CCTAAAGTTCGTCGTCATCGTCGGGTCCTGCTGCCAGTCTAGCTTACTCTGCCACCACTGCCCGG  
 CAGGAGGAAGTTCAGCAGACAGTGGCCCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTC  
 CAGCAGGATCTCATAGATCAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAA  
 CGCTTCCAACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAATCAGATCAAAAACATAAAAGTTCC  
 TGCACCATGACCAGAGACACAGTGTGTCAGTGTAAAGAAGGCACCTTCCGGAATGAAAATCCCCAGAGA  
 TGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTAATTGTACGTCCTGGGATGATAT  
 CCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGGAACCCAGCTGCTGAAGAGACAATGAACACC  
 AGCCCCGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGAACACCAGCCAGGGACTCCTGCCCCAGCTG  
 CTGAAGAGACAATGACCACCAGCCCGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCC  
 GGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGACTCCTGCCTTCTCATTAC  
 CTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG221313 representing NM\_003841  
 Red=Cloning site Green=Tags(s)

MQGVKERFLPLGNSGDRAPRPPDGRGRVPRPTQDGVGNHTMARIPKTLKFVVVIVAVLLPVLAYSATTAR  
 QEEVPQQTVPAPQQQRHSFKGEECPAGSHRSEHTGACNPCTEGVDYTNASNNEPSCFPCTVCKSDQKHKSS  
 CTMTRDTCVQCKEGTFRNENSPMCRKCSRCPSGEVQVSNCTSWDDIQCVVEFGANATVTPAAEETMNT  
 SPGTPAPAAEETMNTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPAPAAEETMTTSPGTPASSHY  
 LSCTIVGIIVLIVLLIVFV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003841

**ORF Size:** 897 bp

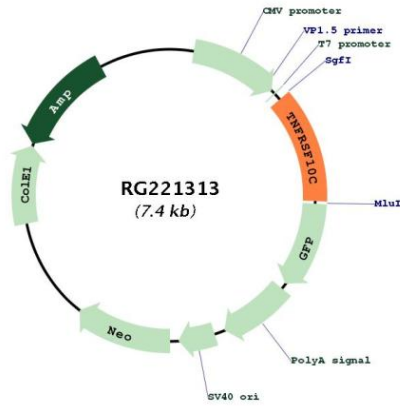
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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_003841.1</u>  |
| <b>RefSeq Size:</b>           | 1404 bp   |
| <b>RefSeq ORF:</b>            | 780 bp  |
| <b>Locus ID:</b>              | 8794  |
| <b>UniProt ID:</b>            | <u>Q14798</u>   |
| <b>Cytogenetics:</b>          | 8p21.3  |
| <b>Domains:</b>               | TNFR  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Protein Pathways:</b>      | Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity  |
| <b>Gene Summary:</b>          | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain and a transmembrane domain, but no cytoplasmic death domain. This receptor is not capable of inducing apoptosis, and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis. This gene was found to be a p53-regulated DNA damage-inducible gene. The expression of this gene was detected in many normal tissues but not in most cancer cell lines, which may explain the specific sensitivity of cancer cells to the apoptosis-inducing activity of TRAIL. [provided by RefSeq, Jul 2008] |

Product images:



Circular map for RG221313