

Product datasheet for **RG202249**

DcR3 (TNFRSF6B) (NM_003823) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DcR3 (TNFRSF6B) (NM_003823) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DcR3
Synonyms: DCR3; DJ583P15.1.1; M68; M68E; TR6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202249 representing NM_003823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGCGCTGGAGGGCCAGGCCTGTCGCTGCTGTGCCTGGTGTGGCGCTGCCTGCCCTGCTGCCGG
 TGCCGGCTGTACGCGGAGTGGCAGAAACACCCACCTACCCTGGCGGGACGCAGAGACAGGGGAGCGGT
 GGTGTGCGCCAGTGCCCCCAGGCACCTTTGTGCAGCGCCGTGCCGCCGAGACAGCCCCACGACGTGT
 GGCCCGTGTCCACCGGCCACTACACGCAGTTCTGGAACCTACCTGGAGCGCTGCCGCTACTGCAACGTCC
 TCTGCGGGGAGCGTGAGGAGGAGCACGGGCTTGCCACGCCACCCACAACCGTGCCTGCCGCTGCCGCAC
 CGGCTTCTTCGCGCACGCTGGTTTCTGCTTGGAGCACGCATCGTGTCCACCTGGTCCCGGCGTGATTGCC
 CCGGGCACCCAGCCAGAACACGCAGTGCCAGCCGTGCCCCACAGGCACCTTCTCAGCCAGCAGCTCCA
 GCTCAGAGCAGTGCCAGCCCCACCGCAACTGCACGGCCCTGGGCCTGGCCCTCAATGTGCCAGGCTCTTC
 CTCCCATGACACCCTGTGCACCAGCTGCACTGGCTTCCCCTCAGCACCAGGGTACCAGGAGCTGAGGAG
 TGTGAGCGTGCCGTCATCGACTTTGTGGCTTCCAGGACATCTCCATCAAGAGGCTGCAGCGGCTGCTGC
 AGGCCCTCGAGGCCCGGAGGGCTGGGGTCCGACACCAAGGGCGGGCCGCGGCCTTGCAGCTGAAGCT
 GCGTCGGCGGCTCACGGAGCTCCTGGGGCGCAGGACGGGGCGCTGCTGGTGCGGCTGCTGCAGGCGCTG
 CGCGTGCCAGGATGCCCGGGCTGGAGCGGAGCGTCCGTGAGCGCTTCTCCCTGTGCAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202249 representing NM_003823
Red=Cloning site Green=Tags(s)

MRALEGPGLSLLCLVLALPALLPVPVAVRGVAETPTYWRDAETGERLVCAQCPPGTFVQRPCRDRSPTTC
 GPCPPRHYTQFWNYLERCRYCNVLCGEREEEARACHATHNRACRCRTGFFAHAGFCLEHASCPPGAGVIA
 PGTPSQNTQCQPCPPGTFSSSSSSSEQCQPHRNCTALGLALNVPGSSSHDTLCTSCTGFPLSTRVPGAEE
 CERAVIDFVAFQDISIKRLQRLQLALEAPEGWGPTPRAGRAALQLKLRRLTELLGAQDQALLVRLQLAL
 RVARMPGLERSVRERFLPVH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003823

ORF Size: 900 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_003823.2](#), [NP_003814.1](#)

RefSeq Size: 1124 bp

RefSeq ORF: 903 bp

Locus ID: 8771

UniProt ID: [O95407](#)

Cytogenetics: 20q13.33

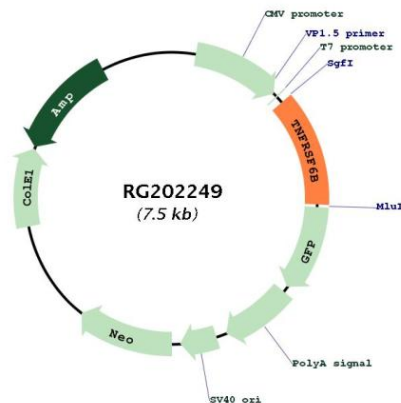
Domains: TNFR

Protein Families: Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: This gene belongs to the tumor necrosis factor receptor superfamily. The encoded protein is postulated to play a regulatory role in suppressing FasL- and LIGHT-mediated cell death. It acts as a decoy receptor that competes with death receptors for ligand binding. Over-expression of this gene has been noted in gastrointestinal tract tumors. Read-through transcription into this gene from the neighboring upstream gene, which encodes regulator of telomere elongation helicase 1 (RTEL1), generates a non-coding transcript. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RG202249