

Product datasheet for **RG208547**

DcR2 (TNFRSF10D) (NM_003840) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DcR2 (TNFRSF10D) (NM_003840) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DcR2
Synonyms:	CD264; DCR2; TRAIL-R4; TRAILR4; TRUNDD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208547 representing NM_003840 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACTTTGGGGACAAAGCGTCCCGACCGCCTCGAGCGCTCGAGCAGGGCGCTATCCAGGAGCCAGGA
CAGCGTCGGGAACCAGACCATGGCTCCTGGACCCAAGATCCTTAAGTTCGTCGCTTTCATCGTCGGGT
TCTGCTGCCGGTCCGGTTGACTCTGCCACCATCCCCGGCAGGACGAAGTTCGCCAGCAGACAGTGGCC
CCACAGCAACAGAGGCGCAGCCTCAAGGAGGAGGAGTGTCCAGCAGGATCTCATAGATCAGAATATACTG
GAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCATTGCTTCCAACAATTTGCCTTCTGCCTGCT
ATGTACAGTTTGTAAATCAGGTCAAACAATAAAAGTTCCCTGTACCACGACCAGAGACACCGTGTGTGAG
TGTGAAAAGGAAGCTTCCAGGATAAAAACTCCCCTGAGATGTGCCGGACGTGTAGAACAGGGTGTCCCA
GAGGGATGGTCAAGGTCAGTAATTGTACGCCCCGAGTGACATCAAGTGCAAAAATGAATCAGCTGCCAG
TTCCACTGGGAAAACCCAGCAGCGGAGGAGACAGTGACCACCATCCTGGGGATGCTTGCCTCTCCCTAT
CACTACCTTATCATCATAGTGGTTTTAGTCATCATTTTAGCTGTGGTTGTGGTTGGCTTTTCATGTCCGA
AGAAATTCATTTCTTACCTCAAAGGCATCTGCTCAGGTGGTGGAGGAGTCCCAGCGTGTGCACAGAGT
CCTTTTCCGGCGCGTTCATGTCTTACAGAGTTCCTGGGCGGAGGACAATGCCGCAACGAGACCCTG
AGTAACAGATACTTGACGCCACCCAGGTCTCTGAGCAGGAAATCCAAGGTCAGGAGCTGGCAGAGCTAA
CAGGTGTGACTGTAGAGTCGCCAGAGGAGCCACAGCGTCTGCTGGAACAGGCAGAAGCTGAAGGGTGTCA
GAGGAGGAGGCTGCTGGTTCCAGTGAATGACGCTGACTCCGCTGACATCAGCACCTTGCTGGATGCCTCG
GCAACACTGGAAGAAGGACATGCAAAGGAAACAATTCAGGACCAACTGGTGGGCTCCGAAAAGCTCTTTT
ATGAAGAAGATGAGGCAGGCTCTGCTACGTCCTGCCTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >RG208547 representing NM_003840
 Red=Cloning site Green=Tags(s)

MGLWGQSVPTASSARAGRYPGARTASGTRPWLLDPKILKFVVFIVAVLLPVRVDSATIPRQDEVPPQQTVA
 PQQRRSLKEEECPAGSHRSEYTGACNPCTEGVDYTIASNLPSCLLCTVCKSGQTNKSSCTTTRDVTVCQ
 CEKGSFQDKNSPEMCRCTRTGCPRGMVKVSNCTPRSDIKCKNES AASSTGKTPAAEETVTTILGMLASPY
 HYLIIIVVLVIIILAVVVVGFSCRKKFISYLKGCSSGGGGPVRVHRVLFRRRSCPSRVPGAEDNARNETL
 SNRYLQPTQVSEQEIQQQLAELTGVTVESPEEPORLLEQAEAEQCRRRLLVPVNDADSADISTLLDAS
 ATLEEGHAKETIQDQLVGSEKLFYEDEAGSATSCL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003840

ORF Size: 1158 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_003840.1](#)

RefSeq Size: 3561 bp

RefSeq ORF: 1161 bp

Locus ID: 8793

UniProt ID: [Q9UBN6](#)

Cytogenetics: 8p21.3

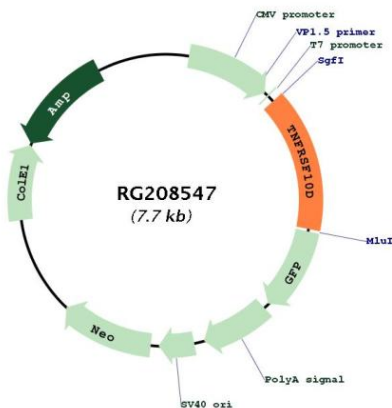
Domains: TNFR

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain, a transmembrane domain, and a truncated cytoplasmic death domain. This receptor does not induce apoptosis, and has been shown to play an inhibitory role in TRAIL-induced cell apoptosis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208547