

## Product datasheet for **RC202249**

### **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:	Myc-DDK
Symbol:	DcR3
Synonyms:	DCR3; DJ583P15.1.1; M68; M68E; TR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202249 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGGGCGCTGGAGGGGCCAGGCCTGTCGCTGCTGTGCCTGGTGTGGCGCTGCCTGCCCTGCTGCCGG  
TGCCGGCTGTACGCGGAGTGGCAGAAACACCCACCTACCCTGGCGGGACGCAGAGACAGGGGAGCGGCT  
GGTGTGCGCCAGTGCCCCCAGGCACCTTTGTGCAGCGGCCGTGCCGCCGAGACAGCCCCAGACGTGT  
GGCCCGTGTCCACCGGCCACTACACGCAGTTCTGGAACCTACCTGGAGCGCTGCCCTACTGCAACGTCC  
TCTGCGGGGAGCGTGAGGAGGAGCACGGGCTTGCCACGCCACCCACAACCGTGCCTGCCCTGCCGCAC  
CGGCTTCTTCGCGCACGCTGGTTTCTGCTTGGAGCACGCATCGTGTCCACCTGGTCCCGGCGTGATTGCC  
CCGGGCACCCCCAGCCAGAACACGCAGTGCCAGCCGTGCCCCCCAGGCACCTTCTCAGCCAGCAGCTCCA  
GCTCAGAGCAGTGCCAGCCCCACCGCAACTGCACGGCCCTGGGCCTGGCCCTCAATGTGCCAGGCTCTTC  
CTCCCCATGACACCCTGTGCACCAGCTGCACTGGCTTCCCCCTCAGCACCAGGGTACCAGGAGCTGAGGAG  
TGTGAGCGTGCCGTCATCGACTTTGTGGCTTCCAGGACATCTCCATCAAGAGGCTGCAGCGGCTGCTGC  
AGGCCCTCGAGGCCCGGAGGGCTGGGGTCCGACACCAAGGGCGGGCCGCGCGGCTTGCAGCTGAAGCT  
GCGTCGGCGGCTCACGGAGCTCCTGGGGCGCAGGACGGGGCGCTGCTGGTGCGGCTGCTGCAGGCGCTG  
CGCGTGCCAGGATGCCCGGGCTGGAGCGGAGCGTCCGTGAGCGCTTCTCCCTGTGCAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202249 protein sequence  
 Red=Cloning site Green=Tags(s)

MRALEGPGLSLLCLVLALPALLPVPVAVRGVAETPTYWRDAETGERLVCAQCPPGTFVQRPCRDRSPTTC  
 GPCPPRHYTQFWNYLERCRYCNVLCGEREEEARACHATHNRACRCRTGFFAHAGFCLEHASCPPGAGVIA  
 PGTPSQNTQCQPCPPGTF SASSSSSEQCPHRNCTALGLALNVPGSSSHDTLCTSCTGFPLSTRVPGAEE  
 CERAVIDFVAFQDISIKRLQRLLQALEAPEGWGPTPRAGRAALQLKLRRLTELLGAQDGALLVRLQLAL  
 RVARMPGLERSVRERFLPVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6012\\_d07.zip](https://cdn.origene.com/chromatograms/mk6012_d07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_003823.2](#), [NP\\_003814.1](#)

**RefSeq Size:** 1155 bp

**RefSeq ORF:** 903 bp

**Locus ID:** 8771

**UniProt ID:** [O95407](#)

**Cytogenetics:** 20q13.33

**Domains:** TNFR

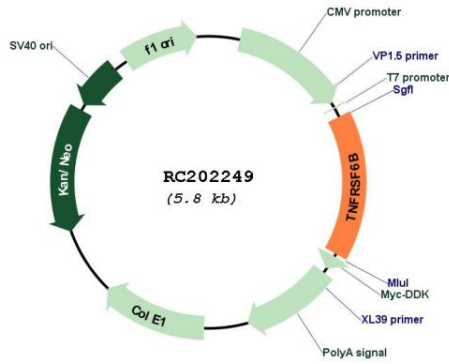
**Protein Families:** Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction

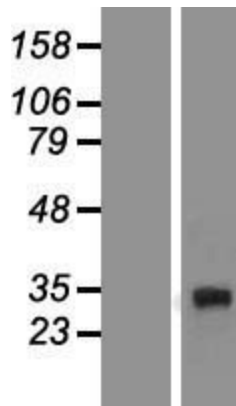
**MW:** 32.7 kDa

**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 RC202249



Western blot validation of overexpression lysate (Cat# [LY418407]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202249 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).