

Product datasheet for **RG211253**

TNFRSF4 (NM_003327) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TNFRSF4 (NM_003327) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TNFRSF4
Synonyms: ACT35; CD134; IMD16; OX40; TXGP1L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211253 representing NM_003327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGCGTGGGGCTCGGCGCTGGGCCGCGGCCGTGTGCGGCTCTGCTCCTCTGGGCTGGGGCTGA
 GCACCGTGACGGGGCTCCACTGTGTGCGGGACACCTACCCAGCAACGACCGGTGCTGCCACGAGTGCAG
 GCCAGGCAACGGGATGGTGAGCCGCTGCAGCCGCTCCAGAACACGGTGTGCCGTCGGTCCGGGCGGGC
 TTCTACAACGACGTGGTCAGCTCCAAGCCGTGCAAGCCCTGCACGTGGTGAACCTCAGAAGTGGGAGTG
 AGCGGAAGCAGCTGTGCACGGCCACACAGGACACAGTCTGCCGCTGCCGGCGGGCACCCAGCCCTGGA
 CAGCTACAAGCCTGGAGTTGACTGTGCCCCCTGCCCTCCAGGGCACTTCTCCCCAGGCGACAACAGGCC
 TGCAAGCCCTGGACCAACTGCACCTGGCTGGGAAGCACACCCTGCAGCCGGCCAGCAATAGCTCGGACG
 CAATCTGTGAGGACAGGGACCCCCAGCCAGCAGCCCCAGGAGACCCAGGGCCCCCGGCCAGGCCCAT
 CACTGTCCAGCCCACTGAAGCCTGGCCAGAACCTCACAGGGACCCTCCACCCGGCCCGTGGAGGTCCCC
 GGGGGCCGTGCGGTTGCCGCCATCCTGGGCTGGGCTGGTGTGGGGCTGCTGGGCCCCCTGGCCATCC
 TGCTGGCCCTGTACCTGCTCCGGAGGGACCAGAGGCTGCCCCCGATGCCACAAGCCCCCTGGGGGAGG
 CAGTTTCCGGACCCCATCCAAGAGGAGCAGGCCGACGCCCACTCCACCTGGCCAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211253 representing NM_003327
Red=Cloning site Green=Tags(s)

MCVGARRLGRGPCAALLLLGLGLSTVTGLHCVGDTYPSNDRCCHECRPGNGMVSRCRSRQNTVCRPCGPG
 FYNDVVSSKPKPCTWCNLRSGSERKQLCTATQDTVCRCRAGTQPLDSYKPGVDCAPCPPGHFSPGDNQA
 CKPWTNCTLAGKHTLQPASNSSDAICEDRDPATQPQETQGPPARPITVQPTAEWPRTSQGPSTRPVEVP
 GGRAVAAILGLGLVLLGLPLAILLALYLLRRDQRLPPDAHKKPPGGGSRFTPIQEEQADAHSTLAKI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003327

ORF Size: 831 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_003327.4](#)

RefSeq Size: 1084 bp

RefSeq ORF: 834 bp

Locus ID: 7293

UniProt ID: [P43489](#)

Cytogenetics: 1p36.33

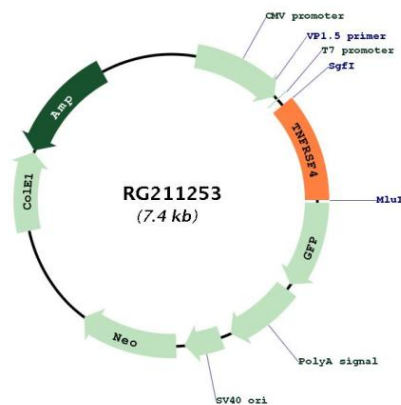
Domains: TNFR

Protein Families: Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211253