

Product datasheet for **RG201167**

TNFRSF14 (NM_003820) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TNFRSF14 (NM_003820) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TNFRSF14
Synonyms: ATAR; CD270; HVEA; HVEM; LIGHTR; TR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201167 representing NM_003820
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCTCCTGGAGACTGGGGCCTCCTCCCTGGAGATCCACCCCAGAACCGACGTCTTGAGGCTGG
 TGCTGTATCTCACCTTCTGGGAGCCCCCTGCTACGCCCCAGCTCTGCCGCTCTGCAAGGAGGACGAGTA
 CCCAGTGGGCTCCGAGTGTGCCCAAGTGCAGTCCAGGTTATCGTGTGAAGGAGGCTGCCGGGAGCTG
 ACGGGCACAGTGTGTGAACCCTGCCCTCCAGGCACCTACATTGCCACCTCAATGGCCTAAGCAAGTGTC
 TGCAGTGCCAAATGTGTGACCCAGCCATGGGCCTGCGCGGAGCCGGAAGTCTCCAGGACAGAGAACGC
 CGTGTGTGGCTGCAGCCCAGGCCACTTCTGCATCGTCCAGGACGGGACCACTGCCCGCGTGCCGCGCT
 TACGCCACCTCCAGCCCAGGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCTGTGTCAGA
 ACTGCCCCCGGGGACCTTCTCTCCAATGGGACCCTGGAGGAATGTGAGCACCAGACCAAGTGCAGCTG
 GCTGGTGACGAAGGCCGGAGCTGGGACCAGCAGCTCCCACTGGGTATGGTGGTTTCTCTCAGGGAGCCTC
 GTCATCGTCATTGTTTGTCCACAGTTGGCCTAATCATATGTGTGAAAAGAAGAAAGCAAGGGGTGATG
 TAGTCAAGGTGATCGTCTCCGTCCAGCGAAAAGACAGGAGGCAGAAGGTGAGGCCACAGTCATTGAGGC
 CCTGCAGGCCCTCCGGACGTACCACGGTGGCCGTGGAGGAGACAATACCCTATTACGGGGAGGAGC
 CCAAACCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201167 representing NM_003820
 Red=Cloning site Green=Tags(s)

MEPPGDWGWPPWRSTPRTDVLRLLVLYL TFLGAPCYAPALPSCKEDEYPVGSECCPKCSPGYRVKEACGEL
 TGTVCEPCPPGT YIAHLNGLSKLCLQCQMCDPAMGLRASRNCSTRTEAVCGCSPGHFCIVQGDHCAACRA
 YATSSPGQRVQKGGTESQDTL CQNCPPGTF SPNGTLEECQHQT KCSWL VTKAGAGTSSSHWVWFLSGSL
 VIVIVCSTVGLIICVKRRKPRGDVVVKVIVSVQRKRQEAEGEATVIEALQAPPDVTTVAVEETIPSF TGRS
 PNH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003820

ORF Size: 849 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_003820.1](#)

RefSeq Size: 1730 bp

RefSeq ORF: 852 bp

Locus ID: 8764

UniProt ID: [Q92956](#)

Cytogenetics: 1p36.32

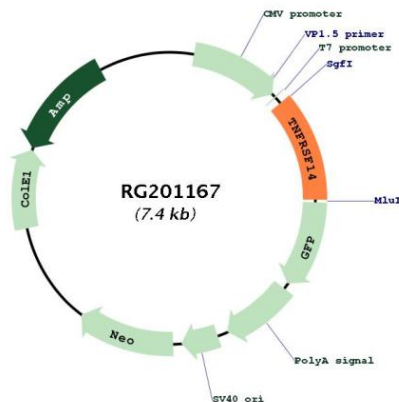
Domains: TNFR

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: This gene encodes a member of the TNF (tumor necrosis factor) receptor superfamily. The encoded protein functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG201167