

Product datasheet for **SC334261**

TNFRSF14 (NM_001297605) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFRSF14 (NM_001297605) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNFRSF14
Synonyms:	ATAR; CD270; HVEA; HVEM; LIGHTR; TR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297605, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCTCCTGGAGACTGGGGCCTCCTCCCTGGAGATCCACCCCAAACCGACGTCTTGAGGCTGG
TGCTGTATCTCACCTTCTGGAGCCCCCTGCTACGCCCCAGCTCTGCCGTCTGCAAGGAGGACGAGTA
CCCAGTGGGCTCCGAGTGTGCCCAAGTGCAGTCCAGGTTATCGTGTGAAGGAGGCTGCCGGGAGCTG
ACGGGCACAGTGTGTGAACCCTGCCCTCCAGGCACCTACATTGCCACCTCAATGGCCTAAGCAAGTGTC
TGCAGTGCCAAATGTGTGACCCAGCCATGGGCCTGCGCGGAGCCGGAAGTCTCCAGGACAGAGAACGC
CGTGTGTGGTGCAGCCAGGCCACTTCTGCATCGTCCAGGACGGGACCACTGCCCGCGTGCCCGCGT
TACGCCACCTCCAGCCCGGGCCAGAGGGTGCAGAAGGGAGGCACCGAGAGTCAGGACACCCTGTGCAGA
ACTGCCCCCGGGGACCTTCTCTCCAATGGGACCTGGAGGAATGTGAGCACCAGACCAAGTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001297605
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001297605.1](#), [NP_001284534.1](#)

RefSeq Size: 3376 bp

RefSeq ORF: 555 bp

Locus ID: 8764

Cytogenetics: 1p36.32

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]
Transcript Variant: This variant (2) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.