

Product datasheet for **RC201041**

TWEAKR (TNFRSF12A) (NM_016639) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TWEAKR (TNFRSF12A) (NM_016639) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TNFRSF12A
Synonyms: CD266; FN14; TWEAKR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC201041 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCGGGGCTCGCTGCGCCGGTTGCTGCGGCTCCTCGTGCTGGGGCTCTGGCTGGCCTTGTGCGCT
CCGTGGCCGGGGAGCAAGCGCCAGGCACCGCCCTGCTCCCGCGCAGCTCCTGGAGCGCGACCTGGA
CAAGTGATGGACTGCGCGTCTTGCAGGGCGCGACCGCACAGCGACTTCTGCCTGGGCTGCGCTGCAGCA
CCTCTGCCCCCTCCGGCTGCTTTGGCCATCCTTGGGGGCGCTCTGAGCCTGACCTTCGTGCTGGGGC
TGCTTTCTGGCTTTTGGTCTGGAGACGATGCCGAGGAGAGAGAAGTTCACCACCCCATAGAGGAGAC
CGGCGGAGAGGGCTGCCAGCTGTGGCGCTGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201041 protein sequence
Red=Cloning site Green=Tags(s)
MARGSLRRLRLRLVGLWLALLRSVAGEQAPGTAPCSRGSWSADLDKCMDCASCRARPHSDFCLGCAAA
PPAPFRLWPILGGALSITFVLGLLSGFLVWRRRREKFTTPIIETGGEGCPAVALIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

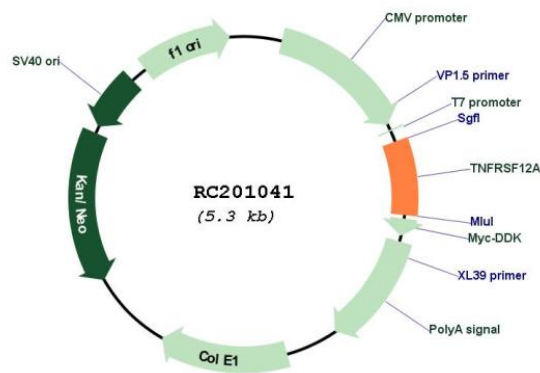
Chromatograms: https://cdn.origene.com/chromatograms/mk6143_g10.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_016639

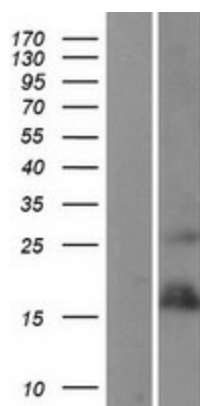
ORF Size: 387 bp

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:	<ol style="list-style-type: none">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_016639.3
RefSeq Size:	1048 bp
RefSeq ORF:	390 bp
Locus ID:	51330
UniProt ID:	Q9NP84
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
MW:	13.9 kDa
Gene Summary:	Receptor for TNFSF12/TWEAK. Weak inducer of apoptosis in some cell types. Promotes angiogenesis and the proliferation of endothelial cells. May modulate cellular adhesion to matrix proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Western blot validation of overexpression lysate (Cat# [LY402582]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201041 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).