

Product datasheet for **RC211276**

CD153 (TNFSF8) (NM_001244) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD153 (TNFSF8) (NM_001244) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD153
Synonyms:	CD30L; CD30LG; CD153; TNLG3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211276 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCAGGGCTGCAGCAAGCACTCAACGGAATGGCCCTCCTGGAGACACAGCCATGCATGTGCCGG
CGGGCTCCGTGGCCAGCCACCTGGGGACCAGAGCCGAGCTATTTCTATTTGACCACAGCCACTCTGGC
TCTGTGCCTTGCTTACGGTGGCCACTATTATGGTGTGGTCGTTTCAGAGGACGGACTCCATCCCAAC
TCACCTGACAACGTCCCCCTCAAAGGAGGAAATGCTCAGAAGACCTTTATGTATCCTGAAAAGGGCTC
CATTCAAGAAGTCATGGGCTACCTCCAAGTGGCAAAGCATCTAAACAAAACCAAGTTGTCTTGGAAACA
AGATGGCATTCTCCATGGAGTCAGATATCAGGATGGGAATCTGGTGATCCAATTCCTGGTTTGTACTTC
ATCATTGGCCAACTGCAGTTTCTGTACAATGCCAAATAATTCTGTCGATCTGAAGTTGGAGCTTCTCA
TCAACAAGCATATCAAAAAACAGGCCCTGGTGACAGTGTGTGAGTCTGGAATGCAACGAAACACGTATA
CCAGAATCTCTCAATTCTTGCTGGATTACCTGCAGGTCAACACCACCATATCAGTCAATGTGGATACA
TTCCAGTACATAGATAACAAGCACCTTCTCTTGAGAATGTGTTGCCATCTTCTATACAGTAATTCAG
AC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211276 protein sequence
 Red=Cloning site Green=Tags(s)

MDPGLQQALNGMAPPGDTAMHVPAGSVASHLGTTSRSYFYLTATLALCLVFTVATIMVLVVQRTDSIPN
 SPDNVPLKGGNCSEDLCLIKRAPFKKSWAYLQVAKHLNKTLSWNKDGILHGVRVYQDGNLVIQFPGLYF
 IICQLQFLVQCPNNSVDLKLELLINKHIKKQALVTVCESGMQTKHVYQNLSQLLDYLVQVNTTISVNVDT
 FQYIDTSTFPLENVLSIFLYSNSD

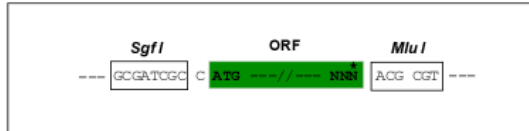
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6369_c05.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_001244

ORF Size: 702 bp

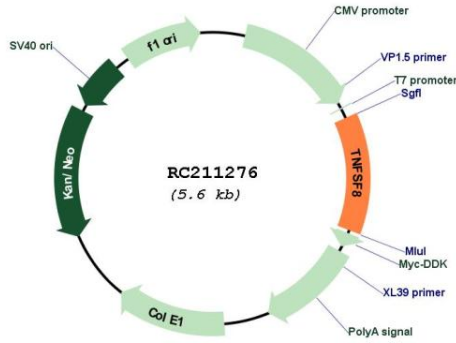
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

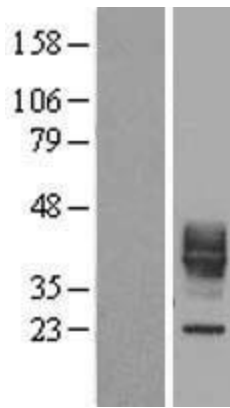
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001244.3
RefSeq Size:	3797 bp
RefSeq ORF:	705 bp
Locus ID:	944
UniProt ID:	P32971
Cytogenetics:	9q32-q33.1
Domains:	TNF
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
MW:	26 kDa
Gene Summary:	<p>The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p>

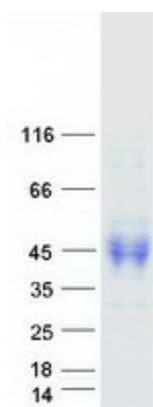
Product images:



Circular map for RC211276



Western blot validation of overexpression lysate (Cat# [LY420051]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211276 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TNFSF8 protein (Cat# [TP311276]). The protein was produced from HEK293T cells transfected with TNFSF8 cDNA clone (Cat# RC211276) using MegaTran 2.0 (Cat# [TT210002]).