

Product datasheet for **RC238495**

CD30 (TNFRSF8) (NM_001281430) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD30 (TNFRSF8) (NM_001281430) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFRSF8
Synonyms:	CD30; D1S166E; Ki-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238495 representing NM_001281430
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCTGTTCCACGTCTGCCGCAACTCTGTGCCCGCTGCTTCTTCCATTCTGTCTGTCCGGCAGGGA
 TGATTGTCAAGTTCCAGGCACGGCGCAGAAGAACACGGTCTGTGAGCCGGCTTCCCAGGGGTACGCC
 TGCTGTGCCAGCCAGAGAAGTCAAGGAACCTCCAGTGGCACCATCCCCAGGCCAAGCCACCCCG
 GTGTCCCAGCAACCTCCAGTGCCAGCACCATGCCTGTAAGAGGGGGCACCCGCCTCGCCAGGAAGCTG
 CTTCTAAACTGACGAGGGCTCCGACTCTCCCTCTGTGGAAAGCCTAGTTCAGATCCAGGTCTGTC
 CCCAACACAGCCATGCCAGAGGGGTCTGGTATTGCAGAAAGCAGTGTGAGCCGACTACTACCTGGAC
 GAGGCCGGCCGCTGCACGGCCTGCGTGAGCTGTTCTCGAGATGACCTTGTGGAGAAGACGCCATGTGCAT
 GGAACCTCTCCCGCACCTGCGAATGTCGACCTGGCATGATCTGTGCCACATCAGCCACCAACTCCTGTGC
 CCGCTGTGTCCCCTACCAATCTGTGCAGCAGAGACGGTACCAAGCCCCAGGATATGGCTGAGAAGGAC
 ACCACCTTTGAGGCGCCACCCCTGGGGACCCAGCCGACTGCAACCCACCCAGAGAATGGCGAGGCGC
 CTGCCAGCACCAGCCCCACTCAGAGCTTGTGGTGGACTCCCAGGCCAGTAAAGACGCTGCCATCCCAAC
 CAGCGCTCCCGTGCCTCTCTCTCCACGGGAAGCCCGTTCTGGATGCAGGGCCAGTGTCTTCTGGGTG
 ATCCTGGTGTGGTGTGGTGGTCCAGCGCCTTCTCTGTGCCACCGGAGGGCCTGCAGGAAGC
 GAATTCGGCAGAAGCTCCACCTGTGCTACCCGGTCCAGACCTCCCAGCCCAAGCTAGAGCTTGTGGATT
 CAGACCCAGGAGGAGCTCAACGCTGAGGAGTGGTGCCTCGGTGACAGAACCCGTCGGGAAGAGCGAGGG
 TTAATGAGCCAGCCACTGATGGAGACCTGCCACAGCGTGGGGCAGCCTACCTGGAGACCTGCCGCTGC
 AGGATGCCAGCCCGCCGGGGCCCTCGTCCCAGGGACCTTCTGAGCCCCGGGTGTCCACGGAGAC
 ACCAATAACAAGATTGAGAAAATCTACATCATGAAGGCTGACACCGTGATCGTGGGGACCGTGAAGGCT
 GAGCTGCCGAGGGCCGGGGCCTGGCGGGCCAGCAGAGCCGAGTTGGAGGAGGAGCTGGAGGGGACC
 ATACCCCCACTACCCGAGCAGGAGACAGAACCCTCTGGGCAGCTGCAGCGATGTCATGCTCTCAGT
 GGAAGAGGAAGGAAAGAAGACCCTTGCCACAGCTGCCTCTGGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238495 representing NM_001281430
 Red=Cloning site Green=Tags(s)

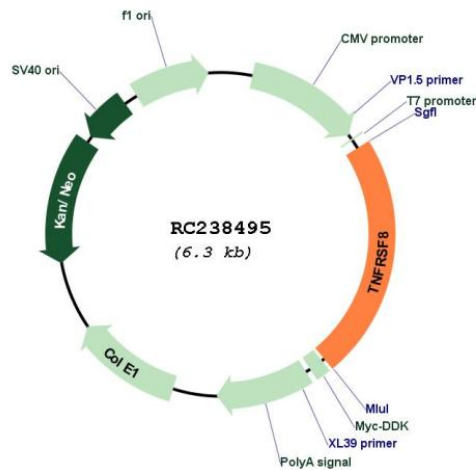
MFCSTSAVNSCARCFHVSVCAPAGMIVKFPGTAQKNTVCEPASPGVSPACASPENCKEPSSGTIPQAKPTP
 VSPATSSASTMPVRRGTRLAQEAAASKL TRAPDSPSSVGRPSSDPGLSPTQPCPEGS GDCRQCEPDYYLD
 EAGRCTACVSCSRDDLVEKTPCAWNSSRTCECRPGMICATSATNSCARCVYPICAAETVTKPQDMAEKD
 TTFEAPPLGTQPCNPTPENGEAPASTSPTQSLLVDSQASKTLP IPTSAPVALSSTGKPVLDAGPVLFWV
 ILVLVVVVVGSSAFLLCHRRACRKRIRQKLHL CYPVQTSQPKLELVDSRPRRSSTLRSGASVTEPVAEERG
 LMSQPLMETCHSVGAAYLESPLQDASPAGGPSSPRDLPEPRVSTEHTNNKIEKIYIMKADTVIVGTVKA
 ELPEGRGLAGPAEPELEEELEADHTPHYPEQETEPPLGSCSDVMLSVEEEGKEDLP LPTAASGK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001281430

ORF Size: 1449 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_001281430.2 , NP_001268359.2
RefSeq Size:	3616 bp
RefSeq ORF:	1452 bp
Locus ID:	943
UniProt ID:	P28908
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
MW:	51.4 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]</p>