

Product datasheet for **RG219819**

CD30 (TNFRSF8) (NM_001243) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD30 (TNFRSF8) (NM_001243) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD30
Synonyms:	CD30; D1S166E; Ki-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219819 representing NM_001243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGTCTCCTCGCCGCGCTGGGACTGCTGTTCTGGGGCGCTACGAGCCTCCACAGGATCGAC
 CCTTCGAGGACACCTGTCATGGAACCCAGCCACTACTATGACAAGGCTGTGAGGAGGTGCTGTTACCG
 CTGCCCATGGGCTGTTCCCGACACAGCAGTGCCACAGAGGCCTACTGACTGCAGGAAGCAGTGTGAG
 CCTGACTACTACCTGGATGAGGCCGACCGCTGTACAGCCTGCGTGACTTGTCTCGAGACGACCTCGTGG
 AGAAGACGCCGTGTGCATGGAACCTCCCGTGTCTGCGAATGTCGACCCGGCATGTTCTGTTCCACGTC
 TGCCGTCAACTCTGTGCCCGCTGCTTCTTCCATTCTGTCTGTCCGGCAGGGATGATTGTCAAGTCCCA
 GGCACGGCGCAGAAGAACACGGTCTGTGAGCCGGCTTCCCAGGGGTGAGCCCTGCCTGTGCCAGCCAG
 AGAAGTCAAGGAACCCCTCAGTGGCACCATCCCCAGGCCAAGCCACCCCGGTGTCCCAGCAACCTC
 CAGTGCCAGCACCATGCCTGTAAGAGGGGGCACCCGCTCGCCAGGAAGCTGCTTCTAACTGACGAGG
 GCTCCCGACTCTCCCTCCTCTGTGGGAAGGCCTAGTTCAGATCCAGGTCTGTCCCAACACAGCCATGCC
 CAGAGGGGTCTGGTGATTGCAGAAAGCAGTGTGAGCCCGACTACTACCTGGACGAGGCCGCGCCGCTGCAC
 GGCTGCGTGAGCTGTTCTCGAGATGACCTTGTGGAGAAGACGCCATGTGCATGGAACCTCCCGCACC
 TGCGAATGTCGACCTGGCATGATCTGTGCCACATCAGCCACCAACTCCTGTGCCCGCTGTGTCCCCTACC
 CAATCTGTGCAGCAGACGGTCAACAAGCCCCAGGATATGGCTGAGAAGGACACCACCTTTGAGGCGCC
 ACCCTGGGGACCCAGCCGACTGCAACCCACCCAGAGAATGGCGAGGCGCCTGCCAGCACCAGCCCC
 ACTCAGAGCTTGTGGTGGACTCCAGGCCAGTAAGACGCTGCCATCCCAACCAGCGCTCCCGTCGCTC
 TCTCCTCACGGGAAGCCGTTCTGGATGCAGGGCCAGTGCTCTTCTGGGTGATCCTGGTGTGGTTGT
 GGTGGTCCGCTCCAGCGCTTCCCTCTGTGCCACCGGAGGGCCTGCAGGAAGCGAATTCGGCAGAAGCTC
 CACCTGTGCTACCGGTCAGACCTCCAGCCCAAGCTAGAGCTTGTGGATTCCAGACCCAGGAGGAGCT
 CAACGCAGCTGAGGAGTGGTGCCTCGGTGACAGAACCCGTCGCGGAAGAGCGAGGGTTAATGAGCCAGCC
 ACTGATGGAGACCTGCCACAGCGTGGGGCAGCCTACCTGGAGAGCCTGCCGCTGCAGGATGCCAGCCCC
 GCCGGGGCCCTCGTCCCCAGGGACCTTCTGAGCCCCGGGTGCCACGGAGCACACCAATAACAAGA
 TTGAGAAAATCTACATCATGAAGCTGACACCGTATCGTGGGACCCTGAAGGCTGAGCTGCCGGAGGG
 CCGGGGCTGGCGGGCCAGCAGAGCCGAGTTGGAGGAGGAGCTGGAGGCGGACCATACCCCCACTAC
 CCCGAGCAGGAGACAGAACCCTCTGGGCAGCTGCAGCGATGTCATGCTCTCAGTGAAGAGGAAGGGA
 AAGAAGACCCCTTGCCACAGCTGCCTCTGAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219819 representing NM_001243
 Red=Cloning site Green=Tags(s)

MRVLLAALGLLFLGALRAFPQDRPFEDTCHGNP SHYYDKAVRRCCYRCPMGLFPTQQCPQRPTDCRKQCE
 PDYYLDEADRCTACVTC SRDDLVEKTPCAWNSSRVCECRPGMFCSTSAVN SCARCFH S VCPAGMIVKFP
 GTAQKNTVCEPASPGVSPACASPENCKEPSSGTPQAKPTPVSPATSSASTMPVRGGTRLAQEAASKLTR
 APDSPSSVGRPSSDPGLSPTQPCPEGSGDCRKQCEPDYYLDEAGRCTACVSCSRDDLVEKTPCAWNSSRT
 CECRPGMICATSATNSCARCVYPICAAETVTKPQDMAEKDITFEAPPLGTQPCNPTPENGEAPASTSP
 TQSLLVDSQASKTLP IPTSAPVALSSTGKPVLDAGPVLFWVILVLVVVVGSSAFLLCHRRACRKRIRQKL
 HLCYPVQTSQPKLELVDSRPRRSSTQLRSGASVTEPVAEERGLMSQPLMETCHSVGAAYLESPLQDASP
 AGGPSSPRDLPEPRVSTEHTNKNKIEKIYIMKADTVIVGTVKAELPEGRGLAGPAEPELEEELEADHTPHY
 PEQETEPPLGSCSDVMLSV EEEGKEDPLPTAASGK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001243

ORF Size: 1785 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

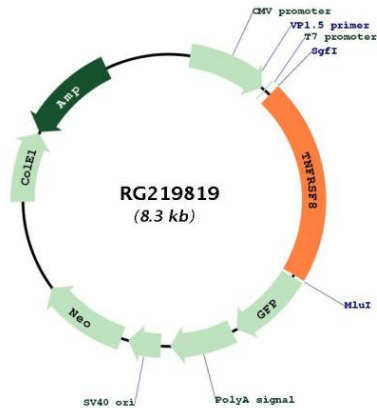
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001243.5</u>
RefSeq Size:	3686 bp
RefSeq ORF:	1788 bp
Locus ID:	943
UniProt ID:	<u>P28908</u>
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	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]

Product images:



Circular map for RG219819