

Product datasheet for **RR205422**

Cd40 (NM_134360) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd40 (NM_134360) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd40
Synonyms:	Tnfrsf5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205422 representing NM_134360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGCCTTTGCCTCAGCTGTGCGCGCTCTGGGGCTGCTTGTGACAGCGGTCCATCTAGGACAGTGTG
TTACGTGCAGTGACAAACAGTACCTCCAAGGTGGCGAGTGTGCGATTTGTGCCAGCCGGAAACCGACT
AGTTAGCCACTGCACAGCTCTTGAGAAGACCCAATGCCAACCGTGGCGACTCAGGCGAATTCTCAGCTCAC
TGGAACAGGGAGATCCGCTGCCACCAGCACCGACTGCGAACTCAATCAAGGGCTTCAGGTTAAGAAGG
AGGGCACCGCGGTTTCAGACACTGTTTGTACCTGCAAGGAAGGGCAGCACTGCGCCAGCAAGGAGTGCGA
GACGTGCGCTCAGCACACGCCCTGTGGCCCTGGCTTTGGAGTCGTGCAGATGGCCACTGAGACTACTGAT
ACTGTCTGCCAACCTGCCCGGTGCGATTCTTCTCCAATGGGTCACTCTTTTAAAAAGTGCATCCAT
GGACAAGCTGTGAAGATCAGAAGCTGATGGTCTACGGGAAGGAACAAGTCAGACTGATACCCTCTGTGG
TTTCCAGCCCCGGATGCGAGCCCTGCTGGTCATCCCCTCGTGTGATGGTCATCCTCATCACCATCTTTGTG
GTTTTTCTCTATATCAAAAAGGTGGTCAAGAAACCAAGGACAATGAGGTCTTACCCCTGAGGCTCGAG
GACAAGATCCTGTGGAGATAGAAGATTATCCCGTCAACACTGCTGCTCCAGTGCAGGAGACGTTGCA
TGGGTGTCAGCCTGTTGCACAGGAGGATGTTAAAGAGAGTCGCATCTCAGTGCAGGAGCGGCAGGTGACA
GGCAGCATGGCCTGAAGCCCTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205422 representing NM_134360
Red=Cloning site Green=Tags(s)

MLPLPQLCALWGCLLTAVHLGQCVTCSDKQYLQGGECDDLCPGNRLVSHCTALEKTQCQPCDSGEFSAH
 WNREIRCHQHRHCELNQGLQVKKEGTAVSDTVCTCKEQHCASKECETCAQHPCGPGFVVMATETTD
 TVCQPCPVGFFSNGSSLFEKCHPWTSCEDQKLMVLREGTSQTDTLCGFQPRMRALLVIPVVMVILITIFV
 VFLYIKKVVKKPKDNEVLPPPEARQDPVEIEDYPGHNTAAPVQETLHGCQPVAQEDGKESRISVQERQVT
 GSMALKPLV

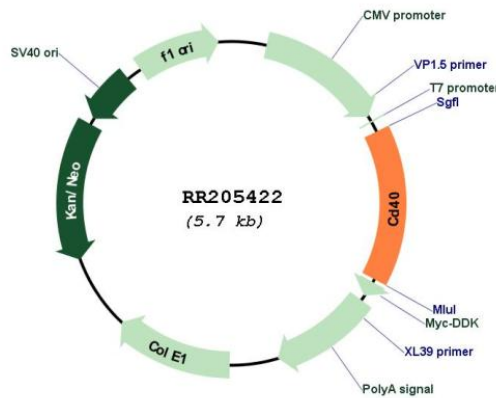
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134360

ORF Size: 867 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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_134360.1 , NP_599187.1
RefSeq Size:	1272 bp
RefSeq ORF:	870 bp
Locus ID:	171369
Cytogenetics:	3q42
MW:	31.8 kDa
Gene Summary:	may mediate chronic inflammation including arteriosclerosis; interacts with ligand CD154 and plays a crucial role in humoral and cellular immunity, and in T-cell-mediated inflammatory responses [RGD, Feb 2006]