

Product datasheet for MR227121

Cd40 (NM_170703) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd40 (NM_170703) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd40
Synonyms: AI326936; Bp50; GP39; HIGM1; IGM; IMD3; p50; T-BAM; Tnfrsf5; TRAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227121 representing NM_170703
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTCTTTGCCTCGGCTGTGCGCGCTATGGGGCTGCTTGTGACAGCGGTCCATCTAGGGCAGTGTG
TTACGTGCAGTGACAAACAGTACCTCCAGATGGCCAGTGTGTGATTTGTGCCAGCCAGGAAGCCGACT
GACAAGCCACTGCACAGCTCTTGAGAAGACCCAATGCCACCCATGTGACTCAGGGCAATTCTCAGCCAG
TGGAACAGGGAGATTCGCTGTCCAGCAGCAGACTGTGAACCAATCAAGGGCTTCGGGTTAAGAAGG
AGGGCACCGCAGAATCAGACACTGTCTGTACCTGTAAGGAAGGACAACACTGCACCAGCAAGGATTGCGA
GGCATGTGCTCAGCACACGCCCTGTATCCCTGGCTTTGGAGTTATGGAGATGGCCACTGAGACCACTGAT
ACCGTCTGTATCCCTGCCAGTCGGCTTCTTCTCCAATCAGTCATCACTTTTCGAAAAGTGTATCCCT
GGACAAGGTTAAAGTCCCGGATGCGAGCCCTGCTGGTCATTCTGTGATGGGCATCCTCATACCA
TTTTCGGGGTGTTCTCTATATCAAAAAGGTGGTCAAGAAACCAAGGA

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227121 representing NM_170703
Red=Cloning site Green=Tags(s)

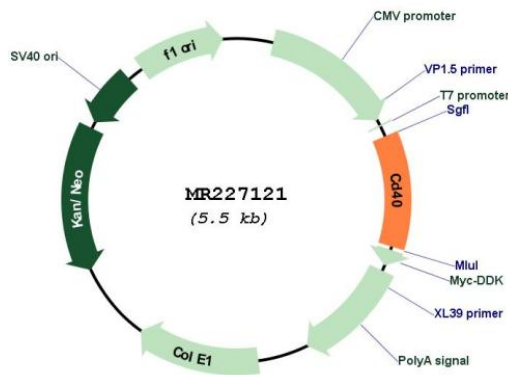
MVSLPRLCALWGCLLTAVHLGQCVTCSDKQYLHDGQCCDLQPGSRLTSHCTALEKTQCHPCDSGEFSAQ
WNREIRCHQHRHCEPNQGLRVKKEGTAESDVTCTCKEQHCTSKDCEACAQHTPCIPGFGVMEMATETTD
TVCHPCPVGFFSNQSSLFEKCYPWTRFKVPDASPAGHSCRDRGHPHHHFRGVSLYQKGGQETKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_170703

ORF Size: 609 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:

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_170703.2](#), [NP_733804.1](#)

RefSeq Size: 1621 bp

RefSeq ORF: 612 bp

Locus ID: 21939

UniProt ID: [P27512](#)

Cytogenetics: 2 85.38 cM

MW: 22.9 kDa

Gene Summary: Receptor for TNFSF5/CD40LG. Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion. [UniProtKB/Swiss-Prot Function]