

Product datasheet for **MG227111**

Cd40 (NM_011611) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd40 (NM_011611) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd40
Synonyms:	AI326936; Bp50; GP39; HIGM1; IGM; IMD3; p50; T-BAM; Tnfrsf5; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227111 representing NM_011611 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTTTGCCTCGGCTGTGCGGCTATGGGGCTGCTTGTGACAGCGGTCCATCTAGGGCAGTGTC
TTACGTGCAGTGACAAACAGTACCTCCACGATGGCCAGTGCTGTGATTTGTGCCAGCCGGGAAGCCGACT
GACAAGCCACTGCACAGCTCTTGAGAAGACCAATGCCACCCATGTGACTCAGGCGAATTCTCAGCCCAG
TGGAACAGGGAGATCCGCTGTACCAGCACAGACTGTGAACCAATCAAGGGCTTCGGGTTAAGAAGG
AGGGCACCGCAGAATCAGACACTGTCTGTCCCTGTAAGGAAGGACAACACTGTACCAGCAAGGATTGCGA
GGCATGTGCTCAGCACACGCCCTGTATCCCTGGCTTTGGAGTTATGGAGATGGCCACTGAGACCCTGAT
ACCGTCTGTCCCTGCCAGTCGGCTTCTTCTCCAATCAGTCATCACTTTTCGAAAAGTGTATCCCT
GGACAAGCTGTGAGGATAAGAAGTGGAGGTCCTACAGAAAGGAACGAGTCAGACTAATGTCATCTGTGG
TTAAAGTCCCGGATGCGAGCCCTGCTGGTCATTCCTGTGCTGATGGGCATCCTCATCACCATTTTCGGG
GTGTTTCTATATCAAAAAGGTGGTCAAGAAACCAAGGATAATGAGATCCTACCCCTGCGGCTCGAC
GGCAAGATCCCCAGGAGATGGAAGATTATCCCGGTCATAACACCCTGCTCCAGTGCAGGAGACGCTGCA
CGGGTGTACGCTGTACACAGGAGGATGGTAAAGAGAGTGCATCTCAGTGCAGGAGCGGCAGGTGACA
GACAGCATAGCCTTGAGCCCTGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227111 representing NM_011611
Red=Cloning site Green=Tags(s)

MVSLPRLCALWGCLLTAVHLGQCLTCSDKQYLHDGQCCDLCPGSRLTSHCTALEKTQCHPCDSGEFSAQ
 WNREIRCHQHRHCEPNQGLRVKKEGTAESDTVCACKEGQHCTSKDCEACAQHTPCIPGFGVMEMATETTD
 TVCHPCPVGFFSNQSSLFEKCPWTSCEDKNLEVLQKGTSTQTNVICGLKSRMRALLVIPVVMGILITIFG
 VFLYIKKVVKKPKDNEILPPAARRQDPQEMEDYPGHNTAAPVQETLHGCPVTQEDGKESRISVQERQVT
 DSIALRPLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011611

ORF Size: 867 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_011611.2](#), [NP_035741.2](#)

RefSeq Size: 1683 bp

RefSeq ORF: 870 bp

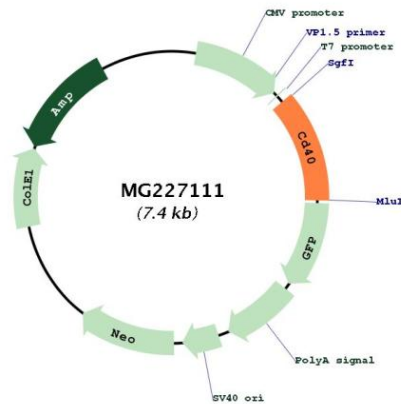
Locus ID: 21939

UniProt ID: [P27512](#)

Cytogenetics: 2 85.38 cM

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]

Product images:



Circular map for MG227111