

Product datasheet for **MG227125**

Cd40 (NM_170704) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd40 (NM_170704) 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:	>MG227125 representing NM_170704 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTTTGCCTCGGCTGTGCGGCTATGGGGCTGCTTGTGACAGCGGTCCATCTAGGGCAGTGTG
TTACGTGCAGTGACAAACAGTACCTCCACGATGGCCAGTGTGTGATTTGTGCCAGCCAGGAAGCCGACT
GACAAGCCACTGCACAGCTCTTGAGAAGACCCAATGCCACCCATGTGACTCAGGCGAATTCTCAGCCAG
TGGAACAGGGAGATTCGCTGTACCAGCACAGACTGTGAACCCAATCAAGGGCTTCGGGTTAAGAAGG
AGGGCACCGCAGAATCAGACACTGTCTGTACCTGTAAGGAAGGACAACACTGCACCAGCAAGGATTGCCA
GGCATGTGCTCAGCACACGCCCTGTATCCCTGGCTTTGGAGTTATGGAGATGGCCACTGAGACCACTGAT
ACCGTCTGTCATCCCTGCCAGTCGGCTTCTTCTCCAATCAGTCATCACTTTTCGAAAAGTGTATCCCT
GGACAAGCTGTGAGGATAAGAAGTGGAGGTCCTACAGAAAGGAACGAGTCAGACTAATGTCATCTGTGG
TTTAAAGTCCCGGATGCGAGCCCTGCTGGTCATTCCTGTCGTGATGGGCATCCTCATCACCATTTTCGGG
GTGTTTCTCTATATCAGTGGTCAAGAAACCAAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227125 representing NM_170704
Red=Cloning site Green=Tags(s)

MVSLPRLCALWGCLLTAVHLGQCVTCSDKQYLHDGQCCDLCPGSRLTSHCTALEKTQCHPCDSGEFSAQ
 WNREIRCHQHRHCEPNQGLRVKKEGTAESDTVCTCKEQHCTSKDCEACAQHTPCIPGFGVMEMATETTD
 TVCHPCPVGFFSNQSSLFEKCPWTSCEDKNLEVLQKGTSTQTNVICGLKSRMRALLVIPVVMGILITIFG
 VFLYISGQETKG

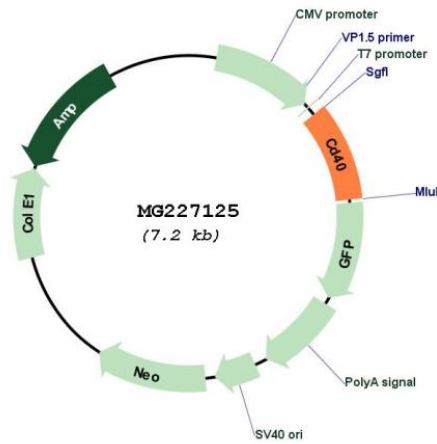
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_170704

ORF Size: 666 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_170704.2 , NP_733805.1
RefSeq Size:	1678 bp
RefSeq ORF:	669 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]