

Product datasheet for **MC209544**

Cd40 (NM_170704) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd40 (NM_170704) Mouse Untagged Clone
Tag: Tag Free
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
Fully Sequenced ORF: >MC209544 representing NM_170704
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGTCTTTGCCTCGGCTGTGCGCGCTATGGGGCTGCTTGTGACAGCGGTCCATCTAGGGCAGTGTG
 TTACGTGCAGTGACAAACAGTACCTCCACGATGGCCAGTGTGATTTGTCCAGCCAGGAAGCCGACT
 GACAAGCCACTGCACAGCTCTTGAGAAGACCCAATGCCACCCATGTGACTCAGGCGAATTCTCAGCCCAG
 TGGAACAGGGAGATTGCTGTCCACGACAGACTGTGAACCAATCAAGGGCTTCGGGTTAAGAAGG
 AGGGCACCGCAGAATCAGACACTGTCTGTACCTGTAAGGAAGGACAACACTGCACCAGCAAGGATTGCGA
 GGCATGTGCTCAGCACACGCCCTGTATCCCTGGCTTTGGAGTTATGGAGATGGCCACTGAGACCACTGAT
 ACCGTCTGTATCCCTGCCAGTCGGCTTCTTCTCCAATCAGTCATCACTTTTCGAAAAGTGTATCCCT
 GGACAAGCTGTGAGGATAAGAATTGGAGGTCCTACAGAAAGGAACGAGTCAGACTAATGTCATCTGTGG
 TTTAAAGTCCCGGATGCGAGCCCTGCTGGTCATTCTGTCGTGATGGGCATCCTCATCACCATTTTCGGG
 GTGTTTCTATATCAGTGGTCAAGAAACCAAGG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_170704
Insert Size: 669 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate splice site in the 3' coding region that results in a frameshift, compared to variant 1. The resulting isoform (4), also known as type IV, has a shorter and distinct C-terminus, compared to isoform 1.</p>