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Product datasheet for MC209545

Cd40 (NM_170703) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd40 (NM_170703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd40
Synonyms:	AI326936; Bp50; GP39; HIGM1; IGM; IMD3; p50; T-BAM; Tnfrsf5; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209545 representing NM_170703 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGTCTTTGCCTCGGCTGTGCGCGCTATGGGGCTGCTTGTTGACAGCGGTCCATCTAGGGCAGTGTG TTACGTGCAGTGACAAACAGTACCTCCACGATGGCCAGTGCTGTGATTTGTGCCAGCCAGGAAGCCGACT GACAAGCCACTGCACAGCTCTTGAGAAGACCCAATGCCACCCATGTGACTCAGGCGAATTCTCAGCCCAG TGGAACAGGGAGATTCGCTGTCACCAGCACAGACACTGTGAACCCAATCAAGGGCTTCGGGTTAAGAAGG AGGGCACCGCAGAATCAGACACTGTCTGTACCTGTAAGGAAGGACAACACTGCACCAGCAAGGATTGCGA GGCATGTGCTCAGCACACGCCCTGTATCCCTGGCTTTGGAGTTATGGAGATGGCCACTGAGACCACTGAT ACCGTCTGTCATCCCTGCCCAGTCGGCTTCTTCTCCAATCAGTCATCACTTTTCGAAAAGTGTTATCCCT GGACAAGGTTTAAAGTCCCGGATGCGAGCCCTGCTGGTCATTCCTGTCGTGATGGGCATCCTCATCACCA TTTTCGGGGTGTTTCTCTATATCAAAAAGGTGGTCAAGAAACCAAAGGATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_170703
Insert Size:	612 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:	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
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2), also known as type II, lacks an internal segment near the C-terminus, compared to isoform 1.

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