

## Product datasheet for MC209552

### Cd40lg (NM\_011616) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd40lg (NM_011616) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd40lg
Synonyms:	CD40-L; Cd40l; CD154; gp39; HIGM1; IGM; IMD3; Ly-62; Ly62; T-BAM; Tnfsf5; Tnlg8b; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209552 representing NM_011616 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATAGAAACATACAGCCAACCTTCCCCAGATCCGTGGCAACTGGACTTCCAGCGAGCATGAAGATTT  
TTATGTATTTACTTACTGTTTTTCCTTATCACCCAAATGATTGGATCTGTGCTTTTTGCTGTGTATCTTCA  
TAGAAGATTGGATAAGGTGAAGAGGAAGTAAACCTTCATGAAGATTTTGTATTCATAAAAAAGCTAAAG  
AGATGCAACAAAGGAGAAGGATCTTATCCTTGCTGAACTGTGAGGAGATGAGAAGGCAATTTGAAGACC  
TTGTCAAGGATATAACGTTAAACAAAGAAGAGAAAAAAGAAAACAGCTTTGAAATGCAAAGAGGTGATGA  
GGATCCTCAAATTCAGCACACGTTGTAAGCGAAGCCAACAGTAATGCAGCATCCGTTCTACAGTGGGCC  
AAGAAAGGATATTATACCATGAAAAGCAACTTGGTAATGCTTGAATGGAAACAGCTGACGGTAAAA  
GAGAAGGACTCTATTATGTCTACACTCAAGTCACTTCTGCTCTAATCGGGAGCCTTCGAGTCAACGCC  
ATTCATCGTCGGCCTCTGGCTGAAGCCAGCAGTGGATCTGAGAGAATCTTACTCAAGCGGCAAAATACC  
CACAGTTCCTCCAGCTTTGCGAGCAGCAGTCTGTTCACTTGGCGGAGTGTGTTGAATTACAAGCTGGTG  
CTTCTGTGTTTGTCAACGTGACTGAAGCAAGCCAAGTATCCACAGAGTTGGCTTCTCATCTTTGGCTT  
ACTCAAACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_011616
Insert Size:	783 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC119225</a> , <a href="#">AAI19226</a>
<b>RefSeq Size:</b>	934 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	21947
<b>UniProt ID:</b>	<a href="#">P27548</a>
<b>Cytogenetics:</b>	X 31.21 cM
<b>Gene Summary:</b>	Cytokine that binds to CD40/TNFRSF5. Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation. Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching (PubMed:1374165). [UniProtKB/Swiss-Prot Function]