

## Product datasheet for **MC204772**

### Cd2 (NM\_013486) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd2 (NM_013486) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd2
Synonyms:	LFA-2; Ly-37; Ly37
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC053731 AAGAGGTAATCCCAGAGTCAACCCTGGGAAAAGAAGCTCTAAAGATGAAATGTAAATTCCTGGGTAGCTTC TTTCTGCTCTTCAGCCTTCCGGCAAAGGGCGGACTGCAGAGACAATGAGACCATCTGGGGTGTCTTGG GTCATGGCATCACCTGAACATCCCAACTTTCAAATGACTGATGATATTGATGAGGTGCGATGGGTAAG GAGGGCACCCCTGGTCGAGAGTTTAAAAGGAAGAAGCCACCTTTTTTGTATCAGAAAACGTATGAGGTC TTAGCAAACGGATCCCTGAAGATAAAGAAGCCGATGATGAGAAACGACAGTGGCACCTATAATGTAATGG TGTATGGCACAATGGGATGACTAGGCTGGAGAAGGACCTGGACGTGAGGATTCTGGAGAGGGTCTCAAA GCCCATGATCCACTGGGAATGCCCAACACAACCCTGACCTGTGCGGTCTTGCAAGGGACAGATTTTAA CTGAAGCTGTATCAAGGGGAAACACTACTCAATAGTCTCCCCAGAAGAACATGAGTTACCAGTGGACCA ACCTGAACGCACCATTCAAGTGTGAGGCGATAAACCCGGTCAGCAAGGAGTCTAAGATGGAAGTTGTTAA CTGTCCAGAGAAAGTCTGTCTTCTATGTCACAGTGGGGTTCGGTGCAGGAGGACTCCTCTTGGTGCTC TTGGTGGCGCTTTTTATTTCTGTATCTGCAAGAGGAGAAAACGGAACAGGAGGAGAAAAGATGAAGAGC TGGAAATAAAAGCTTCCAGAACAAGCACTGTGGAAGGGGCCCAAGCCGCACTCAACCCAGCCGACG AGCGCAGAATTCAGTGGCGCTCCAAGCTCCTCCTCCACCTGGCCATCACCTCCAGACACCTGGCCATCGT CCCTTGCTCCAGGCCACCGTACCCGTGAGCACCAGCAGAAGAAGAGACCTCCTCCATCAGGCACACAGA TTCACCAGCAGAAAGGCCCTCCTTACCCAGACCCCGAGTTCAGCCAAAACCTCCTGTGGGAGTGGAGA TGGTGTTCACCTGCCGCCCTAATTAAGAAGGCAGAGTTCGTCATTTCCAATAAAAAGCTGTGTGGATT TATCTTTCAGGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGG
Restriction Sites:	RsrII-NotI
ACCN:	NM_013486
Insert Size:	1035 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>	<u><a href="#">BC053731</a></u> , <u><a href="#">AAH53731</a></u>
<b>RefSeq Size:</b>	1193 bp
<b>RefSeq ORF:</b>	1035 bp
<b>Locus ID:</b>	12481
<b>UniProt ID:</b>	<u><a href="#">P08920</a></u>
<b>Cytogenetics:</b>	3 44.17 cM
<b>Gene Summary:</b>	CD2 interacts with lymphocyte function-associated antigen CD58 (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.[UniProtKB/Swiss-Prot Function]