

## Product datasheet for **MC204266**

### **Cd6 (NM\_009852) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cd6 (NM_009852) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC014294  
 CCACGCGTCCGGCAGAAGGTAGAGGCGTGAGACACTCACAGGCTGGGCTGTGTGTAGGAGAGAGAGTGC  
 GCAGCACACAGGGCACTGAGAACAAGAACAAGGGCACCACGGGTGAGACAAGCCATCGGTGGCACAA  
 CCGTCTCCCGGAACCAGGATGGCACTTCTATGGGCAGGCGTGAGTAGCAGTGGAGACAGCACCAGACAT  
 GTGGCTTCTTCTGGGATCGCTGGATTGCTGACAGCAGTTCTCTCAGGTCTCCATCTCCAGCCCCCTCT  
 GGCCAGCACAAAAATGGCACCATCCCGAACATGACCTTGGACCTAGAGGAGCGGCTGGGGATTTCGCTGG  
 TGAACGGGAGCAGTCGCTGCAGCGGATCTGTGAAGGTTCTACTGGAGTCTGGGAGCCTGTGTGTGCGGC  
 AACTGGAACAGGGCTGCTACGGAGGCTGTGTGCAAAAGCGCTGAACTGTGGTGATTTCGGGAAAGGTTACC  
 TACCTGATGCCACCCACCTCTGAGCTTCCACCAGGAGCCACTTCTGGAAACACAAGCAGCGCCGGGAATA  
 CGACGTGGGCGCGGGCACCAACTGAGAGATGCAGGGGAGCCAATTGGCAGTTCTGCAAGGTGCAGGACCA  
 GGAGTGTAGCAGCGACAGGCGGCTGGTGTGGGTACCTGTGCAGAGAACCAAGCGGTGCGGTTAGTGGAT  
 GGTAGCAGCCGCTGTGCTGGCCGAGTGGAGATGCTGGAGCATGGTGAATGGGGTACCGTGTGCGACGACA  
 CGTGGGACCTGCAGGATGCACACGTAGTGTGAAGCAACTGAAGTGCAGGCTGGGCAGTGAAGGCGCTGGC  
 CGGCTTGCACTTACCCAGGCCAAGGACCCATCCACCGCATCAGGTGAACTGCTCTGGGACTGAGGCT  
 TACCTGTGGGACTGCCCGGACGGCCAGGAGACCAGTACTGTGGTCAAGGAGGACGCAGGAGTGGTGT  
 GCTCAGAGCACCAATCCTGGCGCCTGACTGGAGGCATTGACTCCTGCGAAGGGCAAGTGGAAAGTGTACTT  
 CCGGGGTGTCTGGAGCACGGTGTGTGACAGCGAGTGGTACCCATCTGAGGCCAAAGTGTCTGTGCGGTCC  
 TTGGGTTGCGGATCAGCAGTGGCTCGGCCAGGGGGTGCACACTCCCTGGACGGTAGAATGTACTACT  
 CCTGCAAGGACAGGAGCCCGCCCTCAGCACCTGTTCTGGCGGTTCAACAACCTCCAACCTGTGCAGCCA  
 GTCGCGGGCAGCCAGGGTGTCTGCTCAGGCTCCCAGAGACATCTCAATCTGTCTACTTCTGAAGTGCTT  
 TCCAGAGTCCAGTCACGATAGAATCTTCTGTGCCGTGAGCGTGAAGGATAAGGACTCACAAAGGCTGA  
 CACTTCTATTCTGTATTGCTCTGGGAATCTCCTCCTCGTCTCCACCATCTCATAGTATTCTTCTCT  
 CTTGAGGCCAAAGGACAATAACGCCCTCCCTGCTCAGTGAACCACCAACTGTCTACTGCCAACCAA  
 GCAGGGATCAATAACTACCATCCTGTCCCTATCACCATTTGCCAAAGAAGCTCCTATGCTGTTTCACAGC  
 CCCGGGTCCCTGCAGACTCGGACTCCAGTTCTGACTCCGACTATGAGCACTATGACTTTCAGCTCCCAGCC  
 GCCTGTGGCCCTGACCACCTTCTACAATCCCAGCGACACCGGGTACAGAGGAGGAAGCTCAGCAGAAC  
 AGGTTTCAGATGCCACCTTGGAGGAAGGACTTGAAGAGTGCATGTTTCCACATCCCAGCGGCTGACC  
 CCAGACCTGTGTGGCAGATGTCCCTCTCGGGGCTCTCAGTACCAGTGAGGAACAACAGTGATTCCAG  
 CACCTCCTCTGAGGAGGGCTACTGCAATGATCCCAGCAGCAAGCCACCTCCATGGAATCCCAGGCGTTT  
 TATTCTGAGAAGAGTCCCCTCACAGAGCAGCCCCCAACTTGGAACTGGTGGCTCTCCGGCAGTGT  
 CAGGGCCCTCAGCCGATGACAGTCCAGCACCTATCCGGAGAGTGGTACCAGAACTTCCAGCCACCACC  
 CCAGCATCCTCCAGCAGAACAGTTTGAATGTCCAGGACCCCTGGCCCCAACAGACTCCATTGATGAG  
 GAGGAGGAGGATTACGATGACATCGGAGCAGCCTAGCCTGGGTCCCTGAGGCTCCTGGGTGGCCCCCTCC  
 TCTGCTCTTGTGTTCTAGCCCCTAGCAGAGGTGGAAGGGTGGGCATTCTCCAGCCCCTCATCTCCACC  
 CATTGATTAACCTGCAGGAGCCCGAACAGAAGACAAGCCAGTGGTGTGAGAGCTGAGTCTGGGTTGAA  
 CAAACAGGGTCTGGCCACTTCTGGGAGTGGTGAAGGGGCATGCTGGGTGACCCTGAGGCCTTATCTCAC  
 TCTGTGTCTGGCGCTTTGATCCTAAGCCTCAGGAAGCTGCTGAAGGGGCTGAGTAGCCACCCACTGCTG  
 AAATACAGGCCCTGGGCCAGGGGCTGCCATTATACCCAGGAAGTCAGCGATGTCTCAATACAACCTGGG  
 ACCTCAATCAATCAGAGTAGCAGCCGCTTATAGCACGGGCATGGCCTCCCTGGGCACTGTACCTAAGAGT  
 AACCATGGTGAATACATGCTTGCTTCCAGAGGTCTCTGAGTCCACCACAGGCACTAGCTGGACTCCTTTC  
 TCTATCCCTAGACAACCTGAACATTATTCTAATTCTTGGGCTTTATAAGGCATCCTGCCTGCCTGAG  
 TCAGGGGATCCACAGCCCCATTGGGACAAGAATGCAGGGACCTGTTCTGGAGGGCTAGAGGGCACAAAA  
 GCTCCGAGTCCCCACAGGTCCCCTTGGGTTGACAGGAACACTTTGGGAGAGTGTGGTTATTGACGCCAAG  
 ACCTTAAACAGGTCTCCCCACAGCGTCAGAGAAGTGGAGGGTCCAGCCAGGCTACAGTGGCCTGTCTCT  
 GAGTTCAGAGATTAACGATTACTGAGTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009852  
**Insert Size:** 1998 bp

<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="#">BC014294</a> , <a href="#">AAH14294</a>
<b>RefSeq Size:</b>	3057 bp
<b>RefSeq ORF:</b>	1998 bp
<b>Locus ID:</b>	12511
<b>UniProt ID:</b>	<a href="#">Q61003</a>
<b>Cytogenetics:</b>	19 7.16 cM
<b>Gene Summary:</b>	<p>Cell adhesion molecule that mediates cell-cell contacts and regulates T-cell responses via its interaction with ALCAM/CD166. Contributes to signaling cascades triggered by activation of the TCR/CD3 complex (PubMed:24584089). Functions as costimulatory molecule; promotes T-cell activation and proliferation. Contributes to the formation and maturation of the immunological synapse. Functions as calcium-dependent pattern receptor that binds and aggregates both Gram-positive and Gram-negative bacteria. Binds both lipopolysaccharide (LPS) from Gram-negative bacteria and lipoteichoic acid from Gram-positive bacteria. LPS binding leads to the activation of signaling cascades and down-stream MAP kinases. Mediates activation of the inflammatory response and the secretion of pro-inflammatory cytokines in response to LPS.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longer transcript and encodes the longer protein (isoform 2).</p>