

Product datasheet for **MC202353**

Cd276 (NM_133983) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd276 (NM_133983) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd276
Synonyms:	6030411F23Rik; AU016588; B7h3; B7RP-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC056608 sequence for NM_133983
 GCGGCGCGGCGCCAAAGTGACCTGGTACAGCCTGGACCCCAAGCTCATCGGCTTTGTCTGGCTGGCCG
 CCTGGCCTCTTCCCACCTTGGATTTGGATGATCCTGAGGCCTTTGGAGAACTTCGAGACAAAGGCCCTC
 TTCCTCTTCCACCGGCAGGAGCAGCCATTGCCACGGAGAGCCAGCTGTGAGCTGTCTCACAGGAAGAT
 GCTTCGAGGATGGGGTGGCCCAAGTGTGGGTGTGTGTGCGCACAGCACTGGGGGTGCTGTGCCTCTGC
 CTCACAGGAGCTGTGAAGTCCAGGCTCTGAAGACCCCGTGGTGGCCCTGGTGGACACGGATGCCACCC
 TAGCTGTCTCTTTCCCAGAGCCTGGCTTCAGTCTGGCACAGCTCAACCTCATCTGGCAGCTGACAGA
 CACCAAACAGCTGGTGCACAGCTTCACGGAGGGCCGGACCAAGGCAAGTGCCTACTCCAACCGCACAGCG
 CTCTTCCCTGACCTGTTGGTGAAGCAATGCGTCCTTGAAGGCTGCAGCGCTCCGAGTAACCGACGAGG
 GCAGCTACACCTGCTTTGTGAGCATCCAGGACTTTGACAGCGCTGCTGTTAGCCTGCAGGTGGCCGCCC
 CTAAGAGCCAGCATGACCTGGAGCCCAACAAGGACCTACGTCCAGGGAACATGGTGACCATCACG
 TGCTCTAGCTACCAGGGCTATCCGGAGGCCGAGGTGTTCTGGAAGGATGGACAGGGAGTGCCTTGACTG
 GCAATGTGACCACATCCCAGATGGCCAACGAGCGGGGCTGTTTCGATGTTACAGCGTGTGAGGGTGGT
 GCTGGGTGCTAACGGCACCTACAGCTGCCTGGTACGCAACCCGGTGTGCAGCAAGATGCTCACGGCTCA
 GTCACCATCACAGGGCAGCCCTGACATCCCCCTGAGGCTCTGTGGGTAAACCGTGGGGCTCTCTGTCT
 GTCTTGGTACTACTGGTGGCCCTGGCTTTCGTGTGCTGGAGAAAGATCAAGCAGAGCTGCGAGGAGGA
 GAATGCAGGTGCCGAGGACCAGGATGGAGATGGAGAAGGATCCAAGACAGCTCTACGGCCTCTGAAACCC
 TCTGAAAACAAAGAAGATGACGGACAAGAAATTGCTTGATTGGGAGCTGTGCCCTTCCCAGGTGGGGGG
 CCCACCTCTGGCAGTGTGAGCTTCAATGCGAGCCCTTCCCCCAACGAATGGGTTTGTCCCACAGATC
 TACCCGTTTCGCAAAGGACGTGGTCCATAGACCACCCACAGCCTTACTTTTCAAATGGACTTAATCCCA
 TCATCTGCAGCCTCATTCTCCAGTGACACGATACACGAACCATCCTGCGGCCTATTTCCCACGGACA
 CGACAAAAGATGTCCTCCTCGGTGTTCTCCAGAGTCGTCTGGTGGCCTTGTGATACGGCGTGAACCT
 TCTTCTTGCCTTACGTCTAATGGACACACGACCCACCCACACCTTGCCTCCAAAGCCATG
 CAGACTGTGTAACCTGCTATTATCTCCAAGGGGCATCCTGTGCAGATGAAACCTGCCTTATTTCCCTGA
 AGACAGCTGCACAGTACCTCTTGTCTTCTGCTCCCATGGCCCTGACGTATCCTAGTTACCAGCCCTCAA
 CCTCAGTTCTGAGGGTGGGATCCCATCGCTCAGCAAGGCTTATCCTGACCTCCCTGCCCTGATCCCATC
 GCTCAGCAAGGCTTATCCTGACCTCCCTGCCCTGATCTGATCTGGCCCTGGCTTTTGTGTCTCGCTCC
 CTGACTAAGTGAGATGGGGCACTCTCCCGCCCCCGCCCCCAGGTCACAGATACCTACCTGCAGCTGT
 GCGTGTGGATCACGCACATACTGCCTTGCATGGTCTCCTGGCTGCCCTGGGCTGTGCCTGTTCTTCCA
 TAGGAAGCAAGTCTTGTCTCCCTGGTTCTCAGGGCCCTCAGGGGCTCAGCCTTACGCCCTGTGCTTCC
 CCATGTTGGGAATCTTGTACCTTTTCTTCTTGTAAATTAACATCTGATAACAACCACAGGGTCCAA
 TGGGACTTTCACAGACCTGCCAGCTAGATAAATAATGACAACAGAAGTTTATTAATATTTAAGACTTAG
 GCCTTTTGTGGGCGAGCCTCCAACTATTCTATCCTGACTAATCCTGGCACTATGTCCCACCACATGGCC
 AGGTCTACCTCTCTGCTCCACTCTCCATCCACCTCCATGTCTGCCAGCAAATCTCCCGTGATTAGTTCT
 TCTCCCAGAGTCCCTATCTGCCCAGAAGTACCATCTTCGACTTCTGCCCAACTATTGGCCGTGACGT
 CTTCAATTAAGCCGATCAGATGTAATTCTAGATTGCCTTAGGCAGGTGAGGAAGAAACAAGTATTTGTAA
 AATATGAGACCAGCAATGGGCCATAGAAATAACAGCACCAGATCCTGCCAGCATTAGCCCTCTGTTGGT
 ACAAAATTAACAATTGAATATACAGAGACCTACTTCCAGAGTGTACTCCAACAACAGGCGTGAGCATGGT
 GCTGGGTACTAGGGTCTGCTGGAAAATCAGAGACCTTACCTACAGCTGGGACATGACCTTGCCTCCGAC
 TTACCCACCATTCTGGATACCTCACCCCTCAGCCACACTATCCCTGGCCTAGGGCCAGGGTAGAGCCA
 GAAACATGGAGAAAGCATGGCCCTTGGCGTACCTGGAGAACTGGGTATTTTCCAGAGTCTTTATAGATG
 TGGACTGGAAGGCAGGTGGCCACAGCCGTGCAGACCTGGGTGAGGTGAGAAACCTATGCCATGCTGGGAC
 CTAACAACAGCAGAAGCATGAAGAGGGCTGAGGACAAGAAAGGCCCTTACCATGGTGTCTTCTGG
 AGCTGGGATATACCTGGCTTGTCTCTGACTGCCCTGGCTTCTGGCAGAACTTCTGATGCTCCTCTGAA
 GGCCTCTCTCCACCCAGTACCTGAGAACCTGAGGATAATTTAAACATGGGACTCTGGCCAGCACCTGG
 GAGAGACAGGTAGATCTGATTTTGTGACTCAGCCTGGTCTATCGAGTGAGTTCAGGACATCTGGGGCT
 ACACAGAGAAACCATCTTAAAGACTAAAAATAATAACATGGGACTCTGTAACCTGGGTGATTTTGGGA
 GAAATAAATGTCTTTTCTTCAA

Restriction Sites: RsrII-NotI
ACCN: NM_133983

Insert Size:	951 bp
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:	BC056608 , AAH56608
RefSeq Size:	3298 bp
RefSeq ORF:	951 bp
Locus ID:	102657
UniProt ID:	Q8VE98
Cytogenetics:	9 B
Gene Summary:	Modulates T-cell-mediated immune responses and the development of acute and chronic transplant rejection. Plays a positive regulatory role in bone formation and has a dual role in the bone-immune interface. Induces antitumor immunity as it activates both acquired and innate immunity leading to natural killer cell and CD8 T-cell dependent killing of tumor cells. [UniProtKB/Swiss-Prot Function]