

## Product datasheet for **MC220153**

### Vcan (NM\_001134475) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vcan (NM_001134475) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vcan
Synonyms:	5430420N07Rik; 9430051N09; Cspg2; DPEAAE; hdf; NG2; PG-M; PG-M(V0); PG-M(V1)
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220153 representing NM\_001134475  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGATAAATATGAAAGGCATCTTATGGATGTGCTCAACCTTATTACTAACCCATGCACTACATCAAG  
 CAAAATGGAAACCAGCCACCTGTTAAAGGCTCTCTGTCTGGAAAAGTGGTCTACCTTGCATTTTTTC  
 AACCTTACCTACCTTACCACCCAATTACAACACGAGTGAATTTCTCAGAATCAAATGGTCTAAGATGGAA  
 GTGGACAAAAATGGAAAAGATATAAAGGAGACGACTGTCTTGGTGGCCAGAACCAGAAATATCAAGATTG  
 GTCAGGACTACAAGGGCGAGTGTCCGTGCCTACACATCCCGATGATGTAGGTGATGCTTCCCTCACCAT  
 GGTCAAACCTCCGGGCTAGTGATGCAGGCGTCTACCGATGTGATGCATGTATGGGATTGAAGACACTCAG  
 GACACCATGTCACTGGCTGTGGATGGTGTGTGTTTCACTACAGGGCAGCCACCAGCAGGTACACTCTGA  
 ACTTTGCCGCTGCTCAACAGGCTTGTGGATATCGGGGCGGTACATAGCAAGCCAGAGCAGCTGTTTGC  
 CGCCTATGAGGATGGATTTGAGCAGTGTGATGCAGGATGGCTGTCTGATCAAACCTGTCAGATATCCATA  
 CGGGCTCCCCGAGAGGGCTGTTACGGAGACATGATGGGAAGGAAGGGTTCCGGACCTATGGATTCCGCT  
 CTCCCCAGGAAACCTATGATGTGTATTGTTATGTGGATCATCTGGATGGCGATGTGTTCCACATCACTGC  
 TCCAGTAAGTTCACCTTCGAGGAGGCCGAAGCAGAGTGTACAAGCAGGGATGCGAGGCTGGCGACTGTT  
 GGAGAAGTTCAGGCAGCTTGGAGAAAATGGCTTTGACCAATGCGATTACGGCTGGCTGTGGATGCCAGCG  
 TGCGGCACCCTGTGACTGTGGCCAGGGCCAGTGTGGAGGAGTCTACTTGGGGTGAAGAACCTGTATCG  
 TTTTGAGAACCAGACATGCTTCCCTCCTCCTGATAGCAGATTTGATGCCTACTGCTTTAACGACCTGAT  
 CTCTGCAAAAACAAACCCATGCCTCAACGGAGGCACCTGTTATCCTACCGAGACTTCCTATGTGTGCACCT  
 GTGCACCTGGATACAGCGGAGACCAGTGTGAACCTTGAATTTGATGAATGCACTTAACCTTGTGGAA  
 TGGTGCCACCTGTGGATGGTTTTAATACATTTAGATGTCTCTGCCAAGTTATGTTGGTGCACCTC  
 TGTGAACAAGACACTGAGACATGTGACTATGGCTGGCACAATTCGAAGGACAGTGTACAAGTACTTTG  
 CTCATCGACGCACATGGGATGCTGCTGAAAGGGAGTGTGCGCTGCAGGGTGGCCACCTCACAAGCATCCT  
 TTCTCATGAGGAACAAATGTTTGTGAATCGTGTGGCCATGATTACCAGTGGATCGGCCTCAATGACAAG  
 ATGTTTGAACATGACTTCCGCTGGACTGACGGCAGTGCCTGCAATATGAGAAGTGGAGACCAACCAGC  
 CAGACAGTTTCTTTCTGCAGGAGAAGACTGCGTTGTGATCATTGGCATGAAAATGGTCAAGTGAATGA  
 CGTCCCCTGCAATTACCACCTCACCTACACTTGAAGAAGGGAACAGTTGCTTGGCGCAACCCCTGTT  
 GTAGAAAATGCCAAGACCTTTGGAAAGATGAAACCACGCTATGAAATCAACTCCTTGATTAGATCACT  
 GCAAAGATGGTTTCATTACGCGACACCTCCAACCTATCCGGTGCCTAGGAAACGGGAGATGGGCAATGCC  
 TAAAAAATCTGCATGAACCCATCTGCATACCAAAGGACTTATTCTAAGAAATACTTAAAAAATCTCTCA  
 TCCGCAAAGGACAATTCTATAAATACATCAAACATGAGCATCGCTGGAGCCGGAGGCGGCAGGAAACCA  
 GGCGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001134475

**Insert Size:** 1968 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:**

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\\_001134475.1](#), [NP\\_001127947.1](#)

**RefSeq Size:** 4335 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 13003

**Cytogenetics:** 13 45.5 cM