

Product datasheet for MR225673

Vcan (NM_172955) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcan (NM_172955) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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
ORF Nucleotide Sequence:	>MR225673 representing NM_172955 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGATAAATATGAAAGGCATCTTATGGATGTGCTCAACCTTATTACTAACCCATGCACTACATCAAG
CCAAAAATGAAACCAGCCACCTGTTAAAGGCTCTCTGTCTGGAAAAGTGGTCTACCTTGTCAATTTTC
AACCTTACCTACCTTACCACCCAATTACAACACGAGTGAATTTCTCAGAATCAAATGGTCTAAGATGGAA
GTGGACAAAAATGAAAAAGATATAAAGGAGACGACTGTCTTGGTGGCCAGAACGAAATATCAAGATTG
GTCAGGACTACAAGGGGCGAGTGTCCGTGCCTACACATCCCGATGATGTAGGTGATGCTTCCCTCACCAT
GGTCAAACCTCCGGGCTAGTGATGCAGGCGTCTACCGATGTGATGTATGGGATTGAAGACACTCAG
GACACCATGTCACTGGCTGTGGATGGTGTGTGTTTCACTACAGGGCAGCCACCAGCAGGTACACTCTGA
ACTTTGCCGCTGCTCAACAGGCTTGTGGATATCGGGGCGGTCTAGCAAGCCAGAGCAGCTGTTTGC
CGCCTATGAGGATGGATTTGAGCAGTGTGATGCAGGATGGCTGTCTGATCAAACCTGTCAGATATCCATA
CGGGTCCCGGAGAGGGCTGTTACGGAGACATGATGGGAAGGAAGGGTTCGGACCTATGGATCCGCT
CTCCCCAGGAAACCTATGATGTGTATTGTTATGTGGATCATCTGGATGGCGATGTGTTCCACACTGTC
TCCCAGTAAGTTACCTTCGAGGAGGCCGAAGCAGAGTGTACAAGCAGGGATGCGAGGCTGGCGACTGTT
GGAGAACTTCAGGCAGCTTGAGAAATGGCTTTGACCAATGCGATTACGGCTGGCTGTGGATGCCAGCG
TGCGGCACCCTGTGACTGTGGCCAGGGCCAGTGTGGAGGAGGTCTACTTGGGGTGAAGACCCTGTATCG
TTTTGAGAACCAGACATGCTTCCCTCTCCCTGATAGCAGATTTGATGCCTACTGCTTTAAACGTAAGTGT
TTGATATCTTTTTAAAAATACAGATTA AAAAGCTGCAGCAAATATATACCCAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

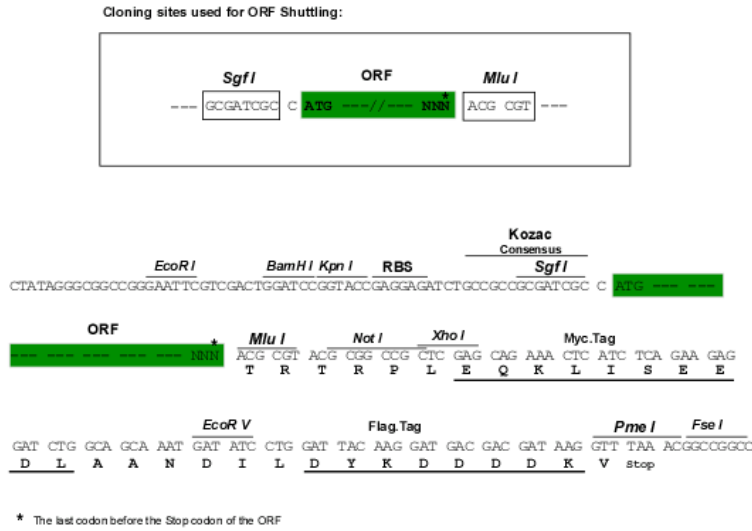
Protein Sequence: >MR225673 representing NM_172955
 Red=Cloning site Green=Tags(s)

MLINMGILWMCSTLLLTHALHQAKMETSPPVKGSLSGKVVLPCHFSTLPTLPPNYNTSEFLRIKWSKME
 VDKNGKDIKETTTLVAQNGNIKIGQDYKGRVSVPTHPDDVGDASLTMVKLRASDAGVYRCVDMYGIEDTQ
 DTMSLAVDGVVFHYRAATSRYYTLNFAAAQQAQLDVGAVIASPEQLFAAYEDGFEQCDAGWLSQTVRYPI
 RAPREGCYGDMGKEGVRTYGFRRSPQETVDVYCVVDHLGDGVFHIITAPSKFTFEEAEAECTSRDARLATV
 GELQAAWRNFGDQCXYGLSDASVVRHPVTVARAQCGGGLLGVRTLYRFENQTCFPLPDSRFDAYCFKRKC
 LISLLKIQIKKLQQIYTH

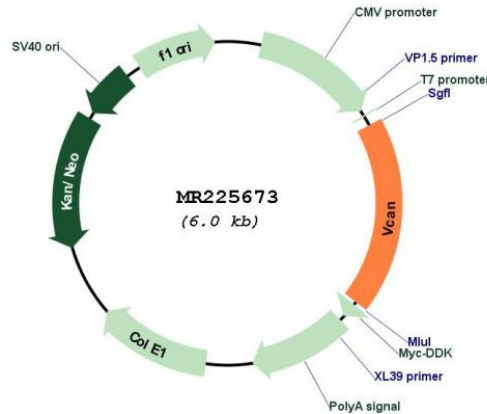
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172955

ORF Size:	1104 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_172955.1 , NP_766543.1
RefSeq Size:	3745 bp
RefSeq ORF:	1107 bp
Locus ID:	13003
Cytogenetics:	13 45.5 cM
MW:	41.6 kDa