

Product datasheet for **MG225675**

Vcan (NM_001134475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcan (NM_001134475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vcan
Synonyms:	5430420N07Rik; 9430051N09; Cspg2; DPEAAE; hdf; NG2; PG-M; PG-M(V0); PG-M(V1)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG225675 representing NM_001134475
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGATAAATATGAAAGGCATCTTATGGATGTGCTCAACCTTATTACTAACCCATGCACTACATCAAG
CCAAAATGAAAACAGCCACCTGTTAAAGGCTCTCTGTCTGAAAAGTGGTCTACCTTGCATTTTTTC
AACCTTACCTACCTTACCACCCAATTACAACACGAGTGAATTTCTCAGAATCAAATGGTCTAAGATGGAA
GTGGACAAAAATGAAAAGATATAAAGGAGACGACTGTCTTGGTGGCCAGAACGGAAATATCAAGATTG
GTCAGGACTACAAGGGCGAGTGTCCGTGCCTACACATCCCGATGATGTAGGTGATGCTTCCCTCACCAT
GGTCAAACCTCCGGGCTAGTGATGCAGGCGTCTACCGATGTGATGCATGTATGGGATTGAAGACACTCAG
GACACCATGTCACTGGCTGTGGATGGTGTGTGTTTCACTACAGGGCAGCCACCAGCAGGTACACTCTGA
ACTTTGCCGCTGTCAACAGGCTTGTGGATATCGGGGCGGTTCATAGCAAGCCAGAGCAGCTGTTTGC
CGCCTATGAGGATGGATTTGAGCAGTGTGATGCAGGATGGCTGTCTGATCAAACCTGTCAGATATCCATA
CGGGCTCCCCGAGAGGGCTGTTACGGAGACATGATGGGGAAGGAAGGGTTTCGGACCTATGGATTCCGCT
CTCCCCAGGAAACCTATGATGTGTATTGTTATGTGGATCATCTGGATGGCGATGTGTTCCACATCACTGC
TCCAGTAAGTTCACCTTCGAGGAGGCCAAGCAGAGTGTACAAGCAGGGATGCGAGGCTGGCGACTGTT
GGAGAACTTCAGGCAGCTTGGAGAAATGGCTTTGACCAATGCGATTACGGCTGGCTGTGGATGCCAGCG
TGCGGCACCCTGTGACTGTGGCCAGGGCCAGTGTGGAGGAGTCTACTTGGGGTGAAGAACCTGTATCG
TTTTGAGAACCAGACATGCTTCCCTCCTCCTGATAGCAGATTTGATGCCTACTGCTTTAACGACCTGAT
CTCTGCAAAACAAACCCATGCCTCAACGGAGGCACCTGTTATCCTACCGAGACTTCCTATGTGTGCACCT
GTGCACCTGGATACAGCGGAGACCAGTGTGAACCTTGATTTTGTGAATGTCACCTAACCCTTGTCGGAA
TGGTGCCACCTGTGTGGATGGTTTTAATACATTTAGATGTCTCTCCCAAGTTATGTTGGTGCACCTC
TGTGAACAAGACACTGAGACATGTGACTATGGCTGGCACAATTCGAAGGACAGTGTACAAGTACTTTG
CTCATCGACGCACATGGGATGCTGCTGAAAGGGAGTGTGCGCTGCAGGGTGCCACCTCACAAGCATCCT
TTCTCATGAGGAACAAATGTTTGTGAATCGTGTGGCCATGATTACCAGTGGATCGGCCTCAATGACAAG
ATGTTTGAACATGACTTCCGCTGGACTGACGGCAGTGCCTGCAATATGAGAAGTGGAGACCAACCAGC
CAGACAGTTTCTTTCTGCAGGAGAAGACTGCGTTGTGATCATTGGCATGAAAATGGTCAGTGGAAATGA
CGTCCCCTGCAATTACCACCTCACCTACACTTGAAGAAGGGAACAGTTGCTTGGCGCAACCCCTGTT
GTAGAAAATGCCAAGACCTTTGAAAAGATGAAACCACGCTATGAAATCAACTCCTTGATTAGATATCACT
GCAAAGATGGTTTTATTACGCGACACTTCCAACCTATCCGGTGCCTAGGAAACGGGAGATGGGCAATGCC
TAAAAAACCCTGCATGAACCCATCTGCATACCAAAGGACTTATTCTAAGAAATACTTAAAAAATTCCTCA
TCCGCAAAGGACAATTCTATAAATACATCAAACATGAGCATCGCTGGAGCCGGAGGCGGCAGGAAACCA
GGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225675 representing NM_001134475
 Red=Cloning site Green=Tags(s)

MLINMKGILWMCSTLLLTHALHQAQMETSPPVKGSLSGKVVLPCHFSTLPTLPPNYNTSEFLRIKWSKME
 VDKNGKDIKETTTLVAQNGNIKIGQDYKGRVSVPTHPDDVGDASLTMVKLRASDAGVYRCDVMYGIEDTQ
 DTMSLAVDGVVFHYRAATSRYTLENFAAAQACLIDIGAVIASPEQLFAAYEDGFEQCDAGWLSQTVRYPI
 RAPREGCYGDMMGKEGVRTYGFRRSPQETVDVYCYVDHLGDGVFHIITAPSKFTFEEAEAECTSRDARLATV
 GELQAAWRNGFDQCDYGLSDASVRHPVTVARAQCGGGLLGVRTLRYFENQTCFPLPDSRFDAYCFKRPD
 LCKTNPCLNGGTCYPTETSYVCTCAPGYSGDQCELDLDFDECHSNPCRNGATCVDGFNTFRCLCLPSYVYV
 CEQDTETCDYGWHKFQGCYKYFAHRRTWDAAREERLQGAHLTSILSHEEQMFVNRVGHYDQWIGLNDK
 MFEHDFRWDGSLQYENWRPNQPSFFSAGEDCVVIIWHENGQWVPCNYHLTYTCKKGTVACQPPV
 VENAKTFGKMKPRYEINSLIRYHCKDGFIRHLPTIRCLGNRWAMPKITCMNPSAYQRTYSKKYLKNS
 SAKDNSINTSKHEHRWSRRRQETRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134475

ORF Size: 1965 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:

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](#)

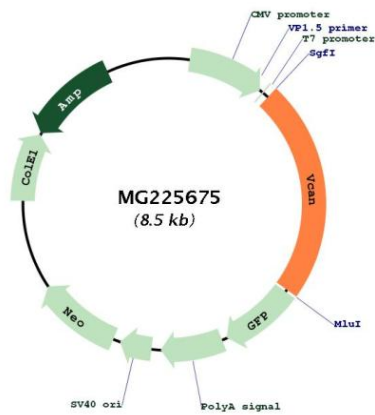
RefSeq Size: 4335 bp

RefSeq ORF: 1968 bp

Locus ID: 13003

Cytogenetics: 13 45.5 cM

Product images:



Circular map for MG225675