

Product datasheet for **RN217802**

Vcan (NM_001170558) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vcan (NM_001170558) Rat Untagged Clone
Tag: Tag Free
Symbol: Vcan
Synonyms: Cspg2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217802 representing NM_001170558
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGATAAATATGAACGGCATCCTATGGATGTGCTCAACCTTACTGTTAACGCATGCACTGCATAAAG
CCAAAAATGGAAGAAAACCCACCTGTTAAAGGCTCTCTGTCTGGAAAAGTGATCCTACCTTGTCATTTTTT
AACCTTGCCACCTTACCACCCGATTACAACACGAGTGAATTTCTCAGAATCAAATGGTCTAAAATAGAA
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CGGGCTCCCCGAGAGGGCTGTTATGGAGACATGATGGGAAGGAAGGGTCCGGACCTATGGATCCGCT
CTCCCCAGGAAACCTATGATGTGATTGCTATGTGGATCATCTGGACGGCGATGTGTTCCACACTGCT
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 GACCTTTGGAAAGATGAAACCACGTTATGAAATCAACTCCTTGATTAGATACCACTGCAAAGATGGTTTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001170558

Insert Size:

10074 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001170558.1](#), [NP_001164029.1](#)

RefSeq Size: 12281 bp

RefSeq ORF: 10074 bp

Locus ID: 114122

UniProt ID: [Q9ERB4](#)

Cytogenetics: 2q12

Gene Summary: extracellular matrix protein secreted by many cell types; part of the large chondroitin sulfate proteoglycan (CSPG) family [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also referred to as V0). Sequence Note: This RefSeq record was created from transcript and genomic sequence data from several strains because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.