OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC212617

Vgll2 (NM_153786) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgll2 (NM_153786) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vgll2
Synonyms:	C130057C21Rik; Vgl; vgl-2; Vi; VIT; VITO-1; Vito1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212617 representing NM_153786 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCTGTCTGGATGTTATGTACCAGGTCTACGGTCCCCCGCAGCCTTATTTCGCAGCCGCCTACACTC CCTACCACCAGAAACTAGCCTACTACTCAAAAATGCAGGAAGCTCAAGAGTGCGCCAGCCCTGGCAGCAG TGCCAGCGGGAGCTCCTCATTTTCCAACCCAACCCCAGCCAGTGTCAAGGAAGAGGAGGGCAGCCCAGAG AAAGAGCGCCCGCCCGAAGCTGAGTACATCAACTCCAGATGTGTCCTCTTCACCTACTTCCAGGGGGACA TCAGCTCTGTGGTGGACGAACATTTCAGTAGGGCCCTTAGCCACCCAAGCAGCTACACCCCAAGCTGTAC CAGCAGCAAAGCACACAGAAGCTCTGGACCCTGGAGAGCAGAAGGCACCTTCCCGATGAGCCAGCGCAGC TTCCCCGCCTCCTTCTGGAACAGCGCGTACCAGGCGCCTGTGCCCGCGCCACTAGGCAGTCCTCTGGCCG CCGCACACTCGGAGCTGCCCTTTGCCACCGACCCCTACTCTCCCGCCACTCTGCACGGCCACCTGCACCA GGGCGCGGCCGACTGGCACCACGCGCACCCGCACCACGCGCACCCGCACCATCCCTATGCGCTGGGCGGC GCCCTGGGAGCACAAGCCTCTGCCTACCCGCGGCCAGCAGTGCACGAGGTCTACGCGCCCCACTTCGACC CGCGCTATGGGCCGCTGCTCATGCCCGCGGCCACTGGCCGCCCCGGCCGCCTGGCCCCTGCCTCGGCGCC GGCTCCCGGCAGCCCTCCCTGCGAGCTTGCGGCCAAGGGCGAGCCGGCGGGCAGCGCATGGGCTGCGCCC GGGGGACCCTTCGTGAGCCCCACGGGGGATGTGGCCCAGAGCCTGGGTCTCAGCGTGGACTCAGGTAAGC GGAGGAGGGAATGCAGTCTCCCCTCTGCCCCTCCGGCACTGTACCCGACTCTGGGCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja1732_a08.zip
Restriction Sites:	SgfI-MluI

View online »

ACCN:	NM_153786
Insert Size:	969 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. 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
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_153786.1, NP_722481.1
RefSeq Size:	1667 bp
RefSeq ORF:	969 bp
Locus ID:	215031
UniProt ID:	Q8BGW8
Cytogenetics:	10 B3
Gene Summary:	This gene is a member of the Vestigial-like (Vgl) gene family and is upregulated during muscle differentiation. The product of this gene interacts with and modifies the DNA-binding properties of the transcription factor, TEF-1, and is important for muscle tissue development. Reduced expression of this gene leads to a reduction in the terminal differentiation of muscle cells. Alternate splicing results in multiple protein isoforms. [provided by RefSeq, Jul 2014] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.