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 MR229233

Vgll2 (NM_001300957) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgll2 (NM_001300957) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vgll2
Synonyms:	C130057C21Rik; Vgl; vgl-2; Vi; VIT; VITO-1; Vito1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229233 representing NM_001300957 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCTGTCTGGATGTTATGTACCAGGTCTACGGTCCCCCGCAGCCTTATTTCGCAGCCGCCTACACTC CCTACCACCAGAAACTAGCCTACTACTCAAAAATGCAGGAAGCTCAAGAGTGCGCCAGCCCTGGCAGCAG TGCCAGCGGGAGCTCCTCATTTTCCAACCCAACCCCAGCCAGTGTCAAGGAAGAGGAGGGCAGCCCAGAG AAAGAGCGCCCGCCCGAAGCTGAGTACATCAACTCCAGATGTGTCCTCTTCACCTACTTCCAGGGGGACA TCAGCTCTGTGGTGGACGAACATTTCAGTAGGGCCCTTAGCCACCCAAGCAGCTACACCCCAAGCTGTAC CAGCAGCAAAGCACACAGAAGCTCTGGACCCTGGAGAGAAGGCACCTTCCCGATGAGCCAGCGCAGCTTC CCCGCCTCCTTCTGGAACAGCGCGTACCAGGCGCCTGTGCCCGCGCCACTAGGCAGTCCTCTGGCCGCCG CACACTCGGAGCTGCCCTTTGCCACCGACCCCTACTCTCCCGCCACTCTGCACGGCCACCTGCACCAGGG CGCGGCCGACTGGCACCACGCGCACCCGCACCACGCGCACCCGCACCATCCCTATGCGCTGGGCGGCGCC CTGGGAGCACAAGCCTCTGCCTACCCGCGGCCAGCAGTGCACGAGGTCTACGCGCCCCACTTCGACCCGC GCTATGGGCCGCTGCTCATGCCCGCGGCCACTGGCCGCCCCGGCCGCCTGGCCCCTGCCTCGGCGCCGGC TCCCGGCAGCCCTCCCTGCGAGCTTGCGGCCAAGGGCGAGCCGGCGGGCAGCGCATGGGCTGCGCCCGGG GGACCCTTCGTGAGCCCCACGGGGGATGTGGCCCAGAGCCTGGGTCTCAGCGTGGACTCAGGTAAGCGGA GGAGGGAATGCAGTCTCCCCTCTGCCCCTCCGGCACTGTACCCGACTCTGGGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

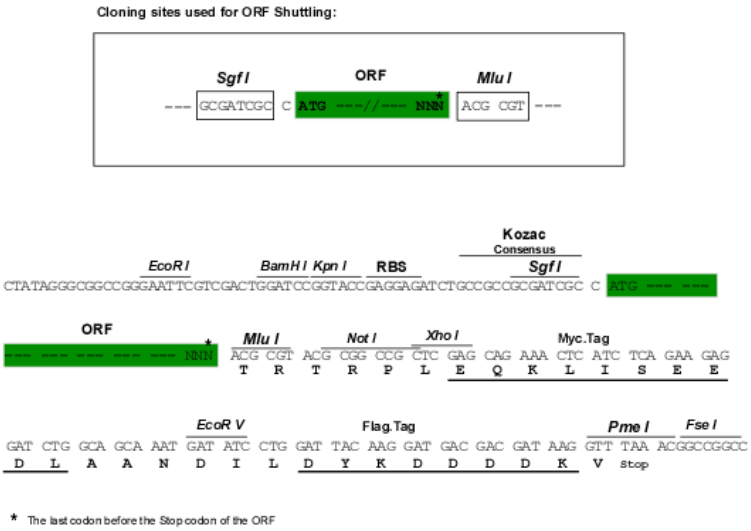
>MR229233 representing NM_001300957
Red=Cloning site Green=Tags(s)

MSCLDVMYQVYGPPQPYFAAAYTPYHQKLAYYSKMQEAQECASPGSSASGSSSFSNPTPASVKEEEGSPE
KERPPEAEYINSRCVLFTYFQGDISSVVDEHFSRALSHPSSYTPSCTSSKAHRSSGPWREGTFPMSQRSF
PASFWNSAYQAPVPAPLGSPLAAAHSELPFATDPYSPATLHGHLHQGAADWHHAHPHHAHPHHPYALGGA
LGAQASAYPRPAVHEVYAPHFDPRYGPLLMPAATGRPGRLAPASAPAPGSPPCELAAKGEPAGSAWAAPG
GPFVSPTGDVAQSLGLSVDSGKRRRECSLPSAPPALYPTLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

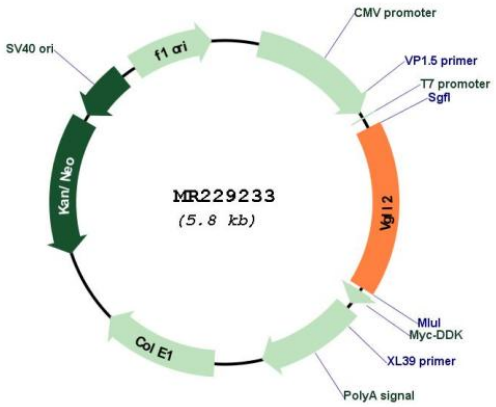
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001300957

ORF Size: 963 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_001300957.1, NP_001287886.1
RefSeq Size:	1664 bp
RefSeq ORF:	966 bp
Locus ID:	215031
UniProt ID:	Q8BGW8
Cytogenetics:	10 B3
MW:	34.4 kDa
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]