

Product datasheet for MR221554

Vgll2 (NM_153786) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vgll2 (NM_153786) Mouse Tagged ORF Clone
Tag: Myc-DDK
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)
ORF Nucleotide Sequence: >MR221554 representing NM_153786
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGTCTGGATGTTATGTACCAGGTCTACGGTCCCCCGCAGCCTTATTTTCGCAGCCGCTACACTC
 CCTACCACCAGAACTAGCCTACTACTCAAAAATGCAGGAAGCTCAAGAGTGCGCCAGCCCTGGCAGCAG
 TGCCAGCGGGAGCTCCTCATTTCACCCCAACCCAGCCAGTGTCAAGGAAGAGGAGGGCAGCCAGAG
 AAAGAGCGCCCGCCGAAGCTGAGTACATCAACTCCAGATGTGTCCTCTTACCTACTTCCAGGGGGACA
 TCAGCTCTGTGGTGGACGAACATTTTCAGTAGGGCCCTTAGCCACCAAGCAGCTACACCCCAAGCTGTAC
 CAGCAGCAAAGCACAGAAGCTCTGGACCCTGGAGAGCAGAAGGCACCTTCCCGATGAGCCAGCGCAGC
 TCCCCCGCCTCCTTCTGGAACAGCGCGTACCAGGCGCCTGTGCCCGGCCACTAGGCAGTCTCTGGCCG
 CCGCACACTCGGAGCTGCCCTTTGCCACCGACCCCTACTCTCCCGCCACTCTGCACGGCCACCTGCACCA
 GGGCGCGCCGACTGGCACCACGCGCACCCGCACCACGCGCACCCGCACCATCCCTATGCCTGGGGCGC
 GCCCTGGGAGCACAAGCCTCTGCCTACCCGCGGCCAGCAGTGCACGAGGTCTACGCGCCCACTTCGACC
 CGCGCTATGGGCGCTGCTCATGCCCGCGGCCACTGGCCGCCCGGCCGCTGGCCCTGCCTCGGGCCG
 GGCTCCCGGACGCCCTCCCTGCGAGCTTGGCCCAAGGGCGAGCCGGCGGGCAGCGCATGGGCTGCGCCC
 GGGGACCCCTTCGTGAGCCCCACGGGGATGTGGCCAGAGCCTGGGTCTCAGCGTGGACTCAGGTAAGC
 GGAGGAGGGAATGCAGTCTCCCCTCTGCCCTCCGGCACTGTACCCGACTCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR221554 representing NM_153786
Red=Cloning site Green=Tags(s)

MSCLDVMYQVYGPPQPYFAAAYTPYHQKLAYYSKMQEAQECASPGSSASGSSSFSNPPTASVKEEEGSPE
 KERPEAEYINSRCVLFYTFQGDISSVDEHFSRALSHPSYTPSCTSSKAHRSSGPWRAEGTFPMSQRS
 FPASFWNSAYQAPVPAPLGSPLAAAHSELPPFATDPYSPATLHGHLHQGAADWHHAHPHHPHYALGG
 ALGAQASAYPRPAVHEVYAPHFDPRYGPLLMPAATGRPGRLAPASAPAGSPPCELAAGGEPAGSAWAAP
 GGPFVSPDGDVAQSLGLSVDSGKRRRRECSLPSAPPALYPTLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2317_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153786

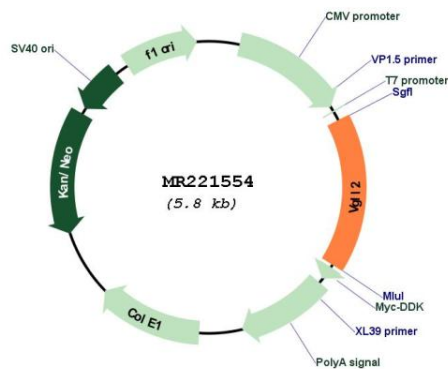
ORF Size: 966 bp

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](#)

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:	<u>NM_153786.2</u>
RefSeq Size:	1483 bp
RefSeq ORF:	969 bp
Locus ID:	215031
UniProt ID:	<u>Q8BGW8</u>
Cytogenetics:	10 B3
MW:	34.5 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]

Product images:



Circular map for MR221554