

Product datasheet for **RG217406**

VGLL2 (NM_182645) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VGLL2 (NM_182645) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VGLL2
Synonyms: VGL2; VITO1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG217406 representing NM_182645
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGTCTGGATGTTATGTACCAAGTCTATGGTCCTCCGAGCCCTACTTCGCAGCCGCTACACCC
CCTACCACCAGAACTAGCCTATTATCCAAAATGCAGGAAGCGCAGGAGTGCAATGCCAGCCCCAGCAG
CAGTGGCAGCGGCAGCTCCTCATTTCCAGCCAAACCCAGCCAGTATAAAAGAGGAAGAAGGCAGCCCA
GAGAAAGAGCGCCACCAGAGGCAGAGTACATCAACTCCCCTGCGTCTCTCACTTATTTCCAGGGG
ACATCAGCTCCGTGGTGGATGAACATTTAGCAGGGCCCTGAGCCAACCCAGCAGCTACTCTCCTAGCTG
TACCAGCAGCAAAGCACCAAGGAGCTCTGGGCCCTGGCGAGACTGCTCCTCCCGATGAGCCAGCGCAGC
TTCCCCGCCTCCTTCTGGAATAGCGGTACCAGGCCAGTGCCCCGCCGCTGGGCAGCCCTCTGGCCA
CCGCGCACTCGGAGCTGCCCTTCGCCGCCGCCGACCCCTACTCGCCCGCCGCGTGCATGGCCACCTGCA
CCAGGGGCCACGGAGCCCTGGCACCACGCGCACCCGACACGCGCACCCGATCACCCCTACGCCCTG
GGCGGCCCTCGGCGCCAGGCCGCCCTACCCGCGCCCGCCGCGTGCACGAAGTCTACGCGCCG
ACTTCGACCCGCGCTATGGGCCGCTGCTGATGCCAGCCGCTCGGGGCGCCCGCCGCTCGCAACCCG
CCCGGCCCGCCGCCCGGAGTCTCCTGCGAGCTCTCCGGCAAAGGCGAGCCGGCGGGCGCCGCTGG
GCCGGGCCGGGGACCTTCGCGAGCCCTCGGGGACGTGGCCAGGGTCTGGCCCTCAGCGTGGACT
CAGCTCGTCGTTATTCCTCTGTGGTGCATCCCTCCTGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217406 representing NM_182645
 Red=Cloning site Green=Tags(s)

MSCLDVMYQVYGGPPQPYFAAAYTPYHQKLAYYSKMQEAQECNASPSSSGSGSSSFSSQTPASIKKEEGSP
 EKERPPEAEYINSRCVLFYTFQGDISSVDEHFSRALSQPSSYSPTSCTSSKAPRSSGPPWRDCSFPMQSRS
 FPASFWSAYQAPVPPPLGSPPLATAHSELPFAAADPYSPAALHGHLHQGATEPWHHAHPHHPHHPYAL
 GGALGAQAAPYRPAAVHEVYAPHFDPRYGPLLMPAASGRPARLATAPAPAGSPPELCSGKGEPAGAAM
 AGPGGPFASPSGDVAQGLGLSVDSARRYSLCGASLLS

TRTRPLE - GFP Tag - V

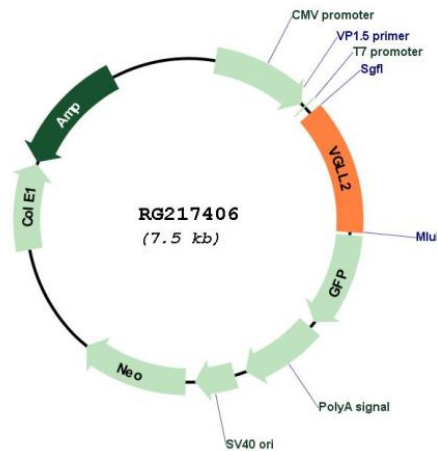
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_182645

ORF Size: 951 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:	<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:	NM_182645.3 , NP_872586.1
RefSeq Size:	2212 bp
RefSeq ORF:	954 bp
Locus ID:	245806
UniProt ID:	Q8N8G2
Cytogenetics:	6q22.1
Gene Summary:	This gene encodes a protein with a transcriptional enhancer factor 1 (TEF-1) interaction domain. The encoded protein may act as a co-factor of TEF-1 regulated gene expression during skeletal muscle development. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]