

## Product datasheet for SC306611

### VGLL2 (NM\_153453) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VGLL2 (NM_153453) Human Untagged Clone
Tag:	Tag Free
Symbol:	VGLL2
Synonyms:	VGL2; VITO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306611 representing NM_153453. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCTGTCTGGATGTTATGTACCAAGTCTATGGTCCTCCGCAGCCCTACTTCGCAGCCGCTACACC
CCCTACCACCAGAACTAGCCTATTATTTCCAAAATGCAGGAAGCGCAGGAGTGCAATGCCAGCCCCAGC
AGCAGTGGCAGCGGCAGCTCCTCATTTTCCAGCCAAACCCAGCCAGTATAAAAGAGGAAGAAGGCAGC
CCAGAGAAAGAGCGCCACCAGAGGCAGGTACATCAACTCCCGTGCCTCTTCACTTATTTCCAG
GGGACATCAGCTCCGTGGTGGATGAACATTTCCAGCAGGGCCCTGAGCCAACCCAGCAGCTACTCTCT
AGCTGTACCAGCAGCAAAGCACAAGGAGCTCTGGGCCCTGGCGAGCTCGTCGTTATTCCTCTGTGGT
GCATCCCTCCTGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_153453
Insert Size:	432 bp
OTI Disclaimer:	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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_153453.1</a></u>
<b>RefSeq Size:</b>	1709 bp
<b>RefSeq ORF:</b>	432 bp
<b>Locus ID:</b>	245806
<b>UniProt ID:</b>	<u><a href="#">Q8N8G2</a></u>
<b>Cytogenetics:</b>	6q22.1
<b>MW:</b>	15.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>