

## Product datasheet for **SC320356**

### VRL1 (TRPV2) (NM\_016113) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VRL1 (TRPV2) (NM_016113) Human Untagged Clone
Tag:	Tag Free
Symbol:	VRL1
Synonyms:	VRL; VRL-1; VRL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016113.3  
 CTCTGGTGGCTAGCCTGTCTGACAGGGGAGAGTTAAGCTCCCCTTCTCCACCGTGCCGG  
 CTGGCCAGGTGGGCTGAGGGTGACCGAGAGACCAGAACCTGCTTGTGGAGCTTAGTGCT  
 CAGAGCTGGGGAGGGAGGTTCCGCCGCTCCTCTGCTGTACAGCGCCGGCAGCCCTCCCGG  
 CTTCACTTCTCCCGAGCCCTGCTACTGAGAAGCTCCGGGATCCCAGCAGCCGCCACG  
 CCCTGGCCTCAGCCTGCGGGGCTCCAGTCAGGCCAACACCGACGCGCAGCTGGGAGGAAG  
 ACAGGACCCTTGACATCTCCATCTGCACAGAGGTCCTGGCTGGACCGAGCAGCCTCTCC  
 TCCTAGGATGACCTCACCTCCAGCTCTCCAGTTTTTCAGGTTGGAGACATTAGATGGAGG  
 CCAAGAAGATGGCTCTGAGGCGGACAGAGGAAAGCTGGATTTTGGGAGCGGGCTGCCTCC  
 CATGGAGTCACAGTTCAGGGCGAGGACCGGAAATTCGCCCTCAGATAAGAGTCAACCT  
 CAACTACCGAAAGGGAACAGGTGCCAGTCAGCCGGATCCAAACCGATTTGACCGAGATCG  
 GCTCTTCAATGCGGTCTCCCGGGGTGTCCCGAGGATCTGGCTGGACTTCCAGAGTACCT  
 GAGCAAGACCAGCAAGTACCTCACCGACTCGGAATACACAGAGGGCTCCACAGGTAAGAC  
 GTGCCTGATGAAGGCTGTGCTGAACCTTAAGGACGGAGTCAATGCCTGCATTCTGCCACT  
 GCTGCAGATCGACAGGGACTCTGGCAATCCTCAGCCCTGGTAAATGCCAGTGCACAGA  
 TGACTATTACCGAGGCCACAGCGCTCTGCACATCGCCATTGAGAAGAGGAGTCTGCAGTG  
 TGTGAAGCTCCTGGTGGAGAATGGGGCCATGTGCATGCCCGGGCCTGCGGCCGCTTCTT  
 CCAGAAGGGCCAAGGGACTTGCTTTTATTTTCGGTGAGCTACCCCTCTCTTTGGCCGCTTG  
 CACCAAGCAGTGGGATGTGGTAAGCTACCTCCTGGAGAACCCACACCAGCCCGCCAGCCT  
 GCAGGCCACTGACTCCCAGGGCAACACAGTCTGCATGCCCTAGTGATGATCTCGGACAA  
 CTCAGCTGAGAACATTGCACTGGTGACCAGCATGTATGATGGGCTCCTCAAGCTGGGGC  
 CCGCCTTGCCCTACCGTGCAGCTTGAGGACATCCGCAACCTGCAGGATCTCACGCCTCT  
 GAAGTGGCCGCCAAGGAGGGCAAGATCGAGATTTTCAGGCACATCCTGCAGCGGGAGTT  
 TTCAGGACTGAGCCACCTTTCCCGAAAGTTCACCGAGTGGTGCTATGGGCCTGTCCGGGT  
 GTCGCTGTATGACCTGGCTTCTGTGGACAGCTGTGAGGAGAACTCAGTGTGGAGATCAT  
 TGCCTTTCATTGCAAGAGCCCGCACCGACACCGAATGGTCGTTTTGGAGCCCTGAACAA  
 ACTGCTGCAGGCGAAATGGGATCTGCTCATCCCCAAGTCTTCTTAAACTTCTGTGTAA  
 TCTGATCTACATGTTTCTTCCCGCTGTTGCCTACCATCAGCCTACCCTGAAGAAGCA  
 GGCCGCCCTCACCTGAAAGCGGAGGTTGGAAACTCCATGCTGCTGACGGGCCACATCCT  
 TATCCTGTAGGGGGATCTACCTCCTCGTGGGCCAGCTGTGGTACTTCTGGCGGCCCA  
 CGTGTTTCTGATCTCGTTCATAGACAGCTACTTTGAAATCCTTCTTCTGTTCCAGGC  
 CCTGCTCACAGTGGTGTCCAGGTGCTGTGTTTCTGGCCATCGAGTGGTACCTGCCCT  
 GCTTGTGTCTGCGCTGGTGTGGCTGGCTGAACCTGCTTTACTATACAGTGGCTTCCA  
 GCACACAGGCATCTACAGTGTGATGATCCAGAAGGTATCCTGCGGGACCTGCTGCGCTT  
 CTTTCTGATCTACTTAGTCTTCTTTTCGGCTTCGCTGTAGCCCTGGTGAGCCTGAGCCA  
 GGAGGCTTGGCGCCCCGAAGCTCCTACAGGCCCAATGCCACAGAGTCAGTGCAGCCAT  
 GGAGGGACAGGAGGACGAGGGCAACGGGGCCAGTACAGGGGTATCCTGGAAGCCTCCTT  
 GGAGCTTCAAATTCACCATCGGCATGGGCGAGCTGGCCTTCCAGGAGCAGCTGCACCT  
 CCGCGCATGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT  
 CAACATGCTCATCGCCCTCATGAGCGAGACCGTCAACAGTGTGCCACTGACAGCTGGAG  
 CATCTGGAAGCTGCAGAAAGCCATCTGTCTGCTGGAGATGGAGAATGGCTATTGGTGGTG  
 CAGGAAGAAGCAGCGGGCAGGTGTGATGCTGACCGTTGGCACTAAGCCAGATGGCAGCCC  
 CGATGAGCGTGGTGCTCAGGGTGGAGGAGGTGAACTGGGCTTTCATGGGAGCAGACGCT  
 GCCTACGCTGTGTGAGGACCCGTCAGGGGCAGGTGTCCTCGAACTCTCGAGAACCCTGT  
 CCTGGCTTCCCTCCCAAGGAGGATGAGGATGGTGCCTCTGAGGAAAATATGTGCCGT  
 CCAGCTCCTCCAGTCCAACCTGATGGCCAGATGCAGCAGGAGGCCAGAGGACAGAGCAGA  
 GGATCTTCCAAACCATCTGCTGGCTCTGGGGTCCCAGTGAATTCTGGTGGCAAATATA  
 TATTTTCACTAACTAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016113

<b>Insert Size:</b>	2295 bp
<b>OTI Disclaimer:</b>	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).
<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_016113.3</a></u> , <u><a href="#">NP_057197.2</a></u>
<b>RefSeq Size:</b>	2797 bp
<b>RefSeq ORF:</b>	2295 bp
<b>Locus ID:</b>	51393
<b>UniProt ID:</b>	<u><a href="#">Q9Y5S1</a></u>
<b>Cytogenetics:</b>	17p11.2
<b>Domains:</b>	ANK, ion_trans
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
<b>Gene Summary:</b>	This gene encodes an ion channel that is activated by high temperatures above 52 degrees Celsius. The protein may be involved in transduction of high-temperature heat responses in sensory ganglia. It is thought that in other tissues the channel may be activated by stimuli other than heat. [provided by RefSeq, Jul 2008]