

## Product datasheet for **SC322649**

### **DVL1 (NM\_182779) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DVL1 (NM_182779) Human Untagged Clone
Tag:	Tag Free
Symbol:	DVL1
Synonyms:	dishevelled, dsh homolog 1 (Drosophila); dishevelled 1; dishevelled 1 (homologous to Drosophila dsh); DVL; DVL, MGC54245; MGC54245; OTTHUMP00000003104
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 SC322649  
 GCGGGTAGCGCCCGCTCCGAGCCTCGGGCCGGCCCTGAGCGCGGGCTCCGCGCCG  
 CCGCCGCGCCATGGCGGAGACCAAGATTATCTACCACATGGACGAGGAGGAGACGCCGTA  
 CCTGGTCAAGTGCCTGGCCCCGAGCGCTCACGCTGGCCGACTTCAAGAAGTGTCT  
 CAGCAACCGGCCCGTGCACGCCTACAAATCTTCTTTAAGTCCATGGACCAGGACTTCGG  
 GGTGGTGAAGGAGGAGATCTTTGATGACAATGCCAAGCTTCCCTGCTTCAACGGCCGCT  
 GGTCTCTGGCTGGTCTGGCTGAGGGTCTCACTCGGATGCGGGGTCCCAGGGCACGGA  
 CAGCCACACAGACTGCCCCGCTCTTGAGCGGACAGGCGCATCGGGGACTCCCGGCC  
 CCCCTCTTCCACCCGAATGTGGCCAGCAGCCGTGACGGGATGGACAACGAGACAGGCAC  
 GGAGTCCATGGTCAAGTACCAGGCGGGAGCGTGCAGCGCGGAACCGGAGGAGCCGC  
 CCGGACCAATGGGCACCAAGGGGAGACCGACGGCGGGATGTGGGGTGCCTCCAGACAG  
 CGCGTCCACCGCCCTCAGCAGCGAGCTTGTAGTCCAGCAGCTTTGTGGACTCGGACGAGGA  
 TGGCAGCAGCAGGCTCAGCAGCTCCACGGAGCAGACCTCATCCAGACTCACCCG  
 GAAGTACGCCAGCAGCTTGTGAAGCACGGCTTCTGCGGCACACGGTCAACAAGATCAC  
 CTTCTCCGAGCAGTGTACTACGTCTTGGGGATCTCTGCAGCAATCTGCCACCCTGAA  
 CCTCAACAGTGGTCCAGTGGGACTTCGGATCAGGACACGCTGGCCCCGCTGCCCAACC  
 GGCTGCCCCCTGGCTCTGGGTGAGGGTACCCCTACCAGTACCCGGGACCCCCACCTG  
 CTTCCCGCTGCCTACCAGGACCCGGGCTTAGCTATGGCAGCGGCAGCACCCGGGAGTCA  
 GCAGAGTGAAGGGAGCAAAGCAGTGGGTCCACCCGGAGCAGCCGCCGGGCCCGGGCCG  
 TGAGAAGGAGCGTCGGGCGGGGAGCTGGGGGAGTGGCAGTGAATCGGATCACACGGC  
 ACCGAGTGGGGTGGGAGCAGCTGGCGAGAGCGTCCGGCCGGCCAGCTCAGCCGTGGCAG  
 CAGCCCACGAGTCAAGCCTCGGCTACCGCCCCGGGGTCCCCCGCCCCACCCACGAC  
 CAAGCCTATACAGTGGTGGGGGGCCACCCGGGGGACCCCTGTCCGGGAGTGGCTGC  
 CGTCCCCCGGAATTGACAGGCAGCCGCAAGTCTTCCAGAAGGCTATGGGGAACCCCTG  
 CGAGTTCTTCTGTGACATCATGTGACTCGTGGCGCATGCCCCAGCCCTGCCTGAGGTGGG  
 GAGCTGGCGGTCTGCCGCATGCAGAGCTCGCGTGGGCTTGCCTTCTGGGGGCCAGGAC  
 GGGAGGCAGGGTGGGGGGCAGGCTGGACCACCACCATCTGCCCTGGCAGCCTGGCTGCTC  
 CAGCTCCTGACAGCAGCTGTGTCTGAGCAGCCGTGTTGGGGGCGCTCCCTCTGCCCCCT  
 CAGCGAGAGCCTCGGACCTCCCAACCCCTTGTGTCTGGTGGGGATCCCTCCTGGGATGAG  
 GAAGACCCCTCGGGCTCTCGGTGACCCCCACCTCCTGCACAGCTGTGCCAGGCCCC  
 AGGGTGGTCCACGCGGGCAACCCCTGCGGTGCACAGGCCCCCTGTCTGGAGTAGGGAT  
 CTAATTTATTTATTTATTTGCCTGCCCGTGAAGTGGGGGAGGAGGCGACCCTGTATCTG  
 TCCACCTGTGTGCCCTTGGAGCAGCTGCACCTTCTCCTCCCATCCGGCAACAG  
 TCTGAAAGTACGTGGAGGACGGGACCGGAAGACGAGAGGGGCTGGACATCCTGCCACC  
 GTGTCCCAGCCAGGGCAGGGAGGACCATGGCCCGCAGGGTCAAGGGGCCCGATGTGCA  
 CAGCTGCCACAGGGAGGGAGGTCTTGGGGAGATGGGCAGTCAGGTGGCCCGTCTTGGTG  
 AGTGCACACACTGCGCGCACACATCGCGGCCTTCTGGCTTCTTGGCCCCACGTGTCT  
 GTGCTGTAGATACTGTATCAAAGTCCCAGCGTTTAGATGGTTAACATAGAGCTGCTTCTG  
 TGTAATGCTGCTTATTTTAAACTAAAAAGCGTTTAAATTTTATGGGAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_182779

**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).

<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>	<a href="#">NM_182779.2</a> , <a href="#">NP_877580.1</a>
<b>RefSeq Size:</b>	2286 bp
<b>RefSeq ORF:</b>	1335 bp
<b>Locus ID:</b>	1855
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS
<b>Protein Pathways:</b>	Basal cell carcinoma, Colorectal cancer, Melanogenesis, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway
<b>Gene Summary:</b>	<p>DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks an internal nt segment including several exons in the CDS, as compared to variant 1. The resulting isoform (c) has identical N- and C-termini but lacks an internal aa segment, as compared to isoform a.</p>