

## Product datasheet for **MC220568**

### **Dvl1 (NM\_010091) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dvl1 (NM_010091) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dvl1
Synonyms:	Dvl; mKIAA4029
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220568 representing NM\_010091  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGACAAAATCATCTACCACATGGACGAGGAGGAGACGCCGTACCTGGTCAAGCTGCCGTAG  
 CTCCCAGCGCGTACGCTGGCCGACTTCAAGAACGTGCTCAGCAACCGGCCGGTGCACGCCTACAAATT  
 CTTCTTCAAGTCCATGGACCAGGACTTCGGGGTGGTGAAGGAGGAGATCTTCGATGACAATGCCAAGTTG  
 CCCTGTTCAATGGCCGGGTGGTTTCTGGCTGGTCTGGCTGAGGGCGCTCACTCGGATGCAGGGTCCC  
 AGGGCACTGACAGCCACACGGACTGCCCCACCCTTGAGAGGACAGGGCGCATTTGGGACTCCAGGCC  
 CCCCTCCTTCCATCCAAATGTTGCCAGTAGCCGGGACGGAATGGACAATGAGACAGGCACAGAGTCTATG  
 GTCAGTACCGGGCGGAGCGAGCCCGACGTCGAAACCGCATGAGGCTGCCCGGACCAATGGCACCCGA  
 GAGGGGATCGGGCGGGACCTGGGACTACCTCCAGACAGTGCATCCACTGTACTGAGCAGTGAAGTTGA  
 ATCTAGCAGCTTTATTGACTCAGATGAGGAGGACAATACGAGCCGGCTGAGCAGCTCCACAGAGCAGAGC  
 ACCTCCTCTCGGCTAGTTCGGAAGCACAATGCCGTCTGCGAAGCAGCGCTTGAGGCAGACAGACCGGG  
 CATCCTCCTTCAGCAGCATCACAGACTCCACCATGTCCCTGAACATCATCACCGTCACTCTCAACATGGA  
 GAGGCACCACTTCTGGGCATCAGCATCGTGGCCAGAGCAACGACCGGGGTGATGGCGGCATCTACATT  
 GGATCCATCATGAAGGGCGGGCCGTGGCTGCTGATGGCCGATTGAGCCGGGCGACATGTTGCTGCAGG  
 TGAACGATGTCAACTTTGAGAACATGAGCAATGACGACGCTGTACGGGTGCTTCGGGAGATCGTGTCCCA  
 GACAGGGCCCATCAGTCTCACAGTGGCCAAGTGTGGGACCAACCCCTCGGAGCTACTTACCATCCCA  
 AGGGTGACCCAGTGCAGCCATCGACCCGGCTGCCTGGCTGTCCACACAGCAGCACTGACGGGTGCC  
 TGCCCCGCTATGGTACGAGTCCCTGCTCCAGGCCATCACACGCCAGCTCTTCCCTACTAACCAGCTC  
 AGTGCCTGGCGCCACAGCTTGAGGAGGACCCGCTGACTGTGAAGAGTGACATGAGTGCCATTGTCCGC  
 GTCATGCAGTTGCCAGACTCAGGACTGGAGATCCGGGACCGCATGTGGTTAAGATCACCATGGCAATG  
 CTGTATTGGGCGGATGTGGTGGACTGGCTGTACACACACGTTGAGGGCTTCAAGGAGCGAAGGGAGGC  
 AAGAAAGTATGCCAGCAGTATGCTGAAGCACGGTTTCTGAGGCACCCGTAACAAGATCACCTTTTCT  
 GAGCAGTGTACTATGTCTTTGGCGACCTGTGCAGTAACCTCGCATCCCTGAACCTCAACAGTGGCTCCA  
 GTGGAGCCTCAGATCAGGACACTGGCCCACTGCCCAACCATCAGTACCCTGGCCCTTGGGTCAAGG  
 CTACCCCTACCAGTACCAGGACCCCGCCCTGCTTCCCGCTGCTTACCAGGACCTGGCTTCAAGTGC  
 GGCAGCGCAGTGTGGGAGCCAGCAGAGTGAAGGGAGCAAGAGCAGTGGGTCCACAGGAGCAGCCATC  
 GGACCCAGGCCGAGAGGAGCGCGGGCAACTGGAGCTGGGGGTAGTGGCAGTGAATCAGACCACACAGT  
 ACCAAGTGGGTCTGGTAGCACCGGCTGGTGGGAGCGGCCTGTACGCCAGCTTAGCCGTGGCAGTAGCCCT  
 CGAAGTCAGGCTTCAAGTGTGCCCCAGGGCTCCCCCACTGCACCCCTTACAAAGGCCTATGCAGTAG  
 TGGGTGGGCCACCTGGAGGGCCACCCGTCGGGAGCTGGCTGCTGCCCTCCAGAACTTACAGGTAGCCG  
 CCAGTCTTCCAAAAGGCCATGGGAAACCCCTGTGAGTTCTTTGTGGACATCATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_010091
- Insert Size:** 2088 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).
- 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:**

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\\_010091.4](#), [NP\\_034221.3](#)

**RefSeq Size:** 3459 bp

**RefSeq ORF:** 2088 bp

**Locus ID:** 13542

**UniProt ID:** [P51141](#)

**Cytogenetics:** 4 87.61 cM

**Gene Summary:** The protein encoded by this gene is a member of the Dishevelled family of proteins. These proteins have an N-terminal Dishevelled/Axin domain, a Dishevelled, EGL-10, Plextrin domain, a central PDZ domain, and a C-terminal domain of approximately 200 amino acids. They regulate both canonical and non-canonical Wnt signaling as well as planar cell polarity pathways. Mice deficient for this gene are viable and fertile but display reduced social interaction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]