

## Product datasheet for **RR213018**

### **Dvl1 (NM\_031820) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dvl1 (NM_031820) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dvl1
Synonyms:	dvl-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR213018 representing NM\_031820  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGACAAAATCATCTACCACATGGACGAGGAGGAGACGCCGTACCTGGTCAAGCTGCCGTAG  
 CTCCCAGCGCGTCACGCTGGCAGACTTCAAGAACGTGCTCAGCAACCGCCGGTGCACGCCTACAAATT  
 CTTCTTCAAGTCTATGGACCAGGACTTCGGGGTGGTGAAGGAGGAGATCTTCGACGACAATGCCAAGTTG  
 CCCTGTTCAATGGCCGTGTGGTTTCTGGCTGGTCTGGCTGAGGGCGCTCACTCGGATGCAGGGTCCC  
 AGGGCACTGACAGCCACACGGACCTGCCCCACCCCTTGAGAGGACAGGGCGCATTGGGGACTCCAGGCC  
 CCCCTCCTTCCATCCAAATGTTGCCAGTAGCCGAGATGGAATGGACAATGAGACAGGCACAGAGTCAATG  
 GTCAGTACCGGGCGGAGCGAGCCCGACGTCGAAACCGTGATGAGGCTGCCCGGACCAATGGGCACCCAA  
 GAGGGGACCGGGCGGGAGCTGGGACTACCTCCAGACAGTGCCTCCACTGTACTGAGCAGTGAAGTTGA  
 ATCTAGCAGCTTTATTGACTCAGATGAGGAGGACAACACGAGCCGGCTGAGCAGCTCTACAGAGCAGAGT  
 ACCTCCTCTCGGCTAATTCGTAAGCACAAATGCCGTGCTCGGAAGCAGCGCTTGAGGCAGACAGACCGGG  
 CATCCTCCTTCAGCAGCATCACCGACTCTACCATGTCCCTGAACATCATCACTGTACGCTCAACATGGA  
 GAGGCACCACTTCTGGGCATCAGCATCGTGGCCAGAGCAACGACCGGGGTGATGGCGGCATCTACATT  
 GGATCCATCATGAAGGGCGGGCTGTGGCTGCTGATGGCCGATTGAGCCAGGCGACATGTTGCTGCAGG  
 TGAATGATGTCAACTTTGAGAACATGAGCAACGATGATGCCGTGCGGGTCTTCGGGAGATCGTATCCCA  
 GACGGGGCCATCAGTCTCACAGTGGCCAAGTGTGGGACCAACCCCTCGGAGCTACTTACCATCCCA  
 AGGGCTGACCCAGTGCAGCCATCGACCCGGCTGCCTGGCTGTCCACACAGCAGCACTGACCCGGTCTC  
 TGCCCCGCTATGGTACGAGTCCCTGCTCCAGCGCCATCACACGCACCAGCTTTCTCCTACTAACCAGCTC  
 AGTGCCTGGCGCCACAGCTTGAGGAGGCACCCTGACTGTGAAGAGTGACATGAGTGCCATTGTCCGC  
 GTCATGCAGTTGCCAGACTCGGGACTGGAGATCCGGGACCGCATGTGGTTAAGATCACCAATTGCCAATG  
 CTGTCTTGGGCGGATGTGGTGGACTGGCTGTACACACACGTGGAGGGCTTCAAGGAGCGAAGGGAGGC  
 GAGGAAGTATGCCAGCAGCATGCTGAAGCATGGTTTCTGCGGCACACGGTGAACAAGATCACTTTCTCT  
 GAGCAGTGTACTATGTCTTTGGTGACCTGTGCAGCAACCTCGCATCCCTGAACCTCAACAGTGGCTCCA  
 GTGGAGCCTCAGATCAGGACACACTGGCCCCACTGCCCAACCTGTACCTGGCCCTTGGGTCAAGG  
 CTATCCCTACCAGTACCCAGGACCCCGCCCTGCTTCCACCTGCTTACCAGGACCTGGCTTCAAGTAT  
 GGCAGTGGCAGTGTGGGAGTCAAGAGTGAAGGGAGCAAGAGCAGTGGGTCCACACGGAGCAGCCATC  
 GCACCCAGGCGGAGAGGAGCGCCGGGCAACTGGAGCTGGGGGTAGTGGCAGTGAATCAGACCACACAGT  
 ACCAAGTGGGTCTGGTAGCACTGGCTGGTGGGAGCGGCCTGTACGCCAGCTTAGCCGTGGCAGTAGCCCT  
 CGAAGTCAGGCTTCAAGTGTGGCCAGGGCTCCCTCCACTGCACCCCTTACCAAGGCCTATGCAGTAG  
 TGGGTGGGCCACCTGGAGGGCCACCTGTCCGGGAGCTGGCTGCTGTTCTCCAGAATTACAGGTAGCCG  
 CCAGTCTTCCAAAAGGCCATGGGAAACCCCTGTGAGTTCTTTGTGGACATCATG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR213018 representing NM\_031820  
Red=Cloning site Green=Tags(s)

MAETKIIYHMDEEETPYLVKLPVAPERVTLADFKNVLSNRPVHAYKFFFKSMDQDFGVVKEEIFDDNAKL  
 PCFNGRVVSWL VLAEGAHS DAGSQGTD SHTDLPPPLERTGGIGDSRPPSFHPNVASSRDGMDNETGTESM  
 VSHRRERARRRRNRDEAARTNGHPRGDRRRELGLPPDSASTVLSSELESSSFIDSDEEDNTSRLSSSTEQS  
 TSSRLIRKHKCRRRQRLRQTDRASSFSSITDSTMSLNIITVTLNMERHHFLGISIVGQSNDRGDGGIYI  
 GSIMKGGAVAADGRIEPGDMLLQVNDVNFENMSNDDAVRVLREIVSQTGPISLTVAKCWDPTPRSYFTIP  
 RADPVRPIDPAAWLSHTAALTGALPRYGTSPCSSAITRTSSSSLTSSVPGAPQLEEAPLTVKSDMSAIVR  
 VMQLPDSGLEIRDRLWKITIANAVIGADVVDWLYTHVEGFKERREARKYASSMLKHGFLRHTVKNITFS  
 EQCYYVFDLCSNLASLNLNSGSSGASDQDTLAPLPHSPVPWPLGQGYQYQPGPPCFPPAYQDPGFSY  
 GSGSAGSQQSEGSKSSGSTRSSHRTPGREERRATGAGGSGSESDHTVPSGSGSTGWWERPVSQLSRGSSP  
 RSQASAVAPGLPPLHPLTKAYAVVGGPPGPPVRELAAVPPELTGSRQSFQKAMGNPCEFFVDIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_031820

**ORF Size:** 2085 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:**

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\\_031820.1](#), [NP\\_114008.1](#)

**RefSeq Size:** 2955 bp

**RefSeq ORF:** 2088 bp

**Locus ID:** 83721

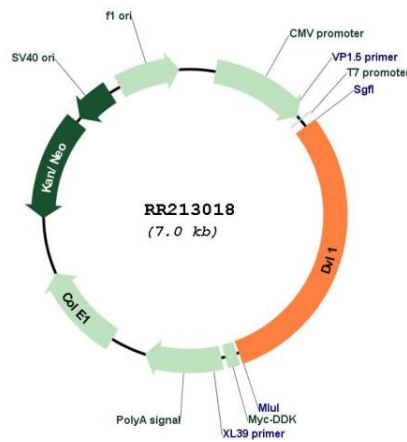
**UniProt ID:** [Q9WVB9](#)

**Cytogenetics:** 5q36

**MW:** 75.4 kDa

**Gene Summary:** mouse homolog contributes to social and sensorimotor behavior [RGD, Feb 2006]

**Product images:**



Circular map for RR213018