

Product datasheet for **MG210365**

Dvl2 (NM_007888) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dvl2 (NM_007888) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dvl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210365 representing NM_007888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGGCAGCAGCGCGGGGGCGGTGGTGTAGGCGAGACGAAGGTGATTTACCATCTGGATGAAGAAG
 AGACTCCTTACCTGGTGAAGATCCTGTCCCGGGAGCGCATCACGCTCGGCGATTTCAAGAGCGTTTT
 GCAGCGGCCCGCGGGCGCAAGTACTTTTTCAAGTCCATGGATCAGGATTTGGGGTGGTGAAGGAAGAG
 ATCTCCGATGACAATGCCCGCTACCTTCTTCAATGGAAGGGTGTCTCCTGGCTTGTGTCTGATGATA
 CCCCACAGCCTGAGGTGGCTCCCCAGCCCATGAGTCTCGGACAGAACTGGTTCTCCGCTCCACCCTT
 ACCCCCTTTGCCACCAGAAAGGACCAGTGAATTGGGGACTCAAGGCTCCATCCTTCCACCCTAATGTA
 TCCAGCAGCCATGAAAATCTAGAGCCTGAGACAGAGACCGAATCTGTCTGATCACTGAGGCGAGACCGAC
 CTAGGAGGAGAGACAGCAGTGAACATGGCGCTGGTGGCCACAGGCTGGTGGCCCTCGAGGCTGGAGCG
 CCACCTGGCTGGCTACGAGAGCTTCCACCCTCATGACCAGTGGAGAGTACCAGCCTAGGAGAC
 TCGGATGAGGATGACACCATGAGTAGGTTGAGCAGCTCCACTGAGCAGAGCAGTGCCTCCCGCTCCTCA
 AGCGCCACCGAAGGCGAAGGAAGCAGCGGCCGCCACGATGGAGAGGACCTCATCCTTACGAGTGTAC
 CGATTCCACAATGTCTCTCAACATCATCACGGTACGCTCAACATGGAGAAGTACAACTTCTGGGCATC
 TCCATTGTGGGCCAAAGTAACGAGCGTGGTGTGGGGGCATCTACATCGGCTCCATCATGAAAGGGGGCG
 CGGTGGCTGCGGACGGGCGGATCGAGCCTGGAGACATGCTTTTGCAGGTAATGATATGAACTTTGAGAA
 CATGAGCAACGACGATGCTGTACGAGTGTGAGAGACATCGTGCAACAAGCCAGGCCCCATCGTGTGACC
 GTGGCCAAGTGTGGGACCCGTCTCCAGGCCACTTCCACCCTCCCTCGAAATGAGCCCATCCAGCCCA
 TCGACCCAGCGCCTGGGTGTCGCACTCGGCTGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 ATCTATGAGCACTATCACATCTGGCTCCTCTGCTGCTGATGGCTGCGAAGGCGGGGTCTCTCTGTCCAC
 ATGGACATGGCCTCTGTACCAAGGCCATGGCAGCCCCAGAGTCTGGGCTCGAAGTCCGGGACCGCATGT
 GGCTCAAGATCACCATCCCAAACGCCTTTCTAGGCTCCGATGTGGTGGACTGGCTGTACCATCACGTGGA
 AGGTTTTCTGAGCGCGGGAGGCCCGCAAGTATGCCAGTGGGCTGTTGAAGGCGGGACTCATCCGGCAC
 ACCGTCAACAAGATTACTTTCTCTGAGCAGTGTATTATGTCTTCCGGGACCTCAGTGGTGGCTGTGAGA
 GTTACCTAGTTAACCTCTCTCTGAATGACAATGACGGTCCAGTGGGCTTCCAGACCAGGATACCCTGGC
 ACCTCTGCCTGGAGCTACTCCCTGGCCCTGCTGCCACCTTCTCCTACCAGTATCCAGCGCCACACCCC
 TACAGCCCCAGCCTCCACCCTACCACGAGCTTTCTTCTGACACCTATGGTGGAGGCAGTCCAGCAGCC
 AGCACAGTGAAGGGAGCCGGAGCAGCGGTCGACAAGAAGCGATGGGGGGCTGGGCGCACAGGCAGGCC
 TGAGGAACGGGCCCTGAGTCCAAGTCCGGCAGTGGCAGTGGTGAAGTCAAGTCTCCAGCCGGGAGGCAGC
 CTTCCGGGGGGTGGGAGCCTGGTGGGACTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 CTCCTCTAATCTCCGAGCTTCTCCGGGCTCCATCCCTATGGAGCCCCATCTGGCATGGCTCTCCCTA
 TAACCCCATGATGGTAGTTATGATGCCTCCACCCCAACCCCTGTCTCCACAGCAGTGCAGCCCCCTGGT
 GCCCTCCAGTCAGAGACCTGGGCTCCGTGCCCCAGAACTGACAGCTAGCCGTACAGGCTTCCACATGG
 CCATGGGCAACCCAGTGAAGTTTTTGTGGATGTTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210365 representing NM_007888
 Red=Cloning site Green=Tags(s)

MAGSSAGGGVGETKVIYHLDEEETPYLVKIPVPAERITLGDFFKSVLQRPAGAKYFFKSMDDQDFGVVKEE
 ISDDNARLPCFNRRVSWLVSSDTPQPEVAPPAHESRTELVPPPPPLPPLPPERTSGIGDSRPPSFHPNV
 SSSHENLEPETETESVSVSLRRDRPRRRDSSEHGAGGHRPGGSRLEHLRHLAGYESSSTLMTSELESTSLGD
 SDEDDTMSRFSSTEQSSASRLKRRHRRRKRQPPRMERTSSFSSVTDSTMSLNIITVTLNMEKYNFLGI
 SIVGQSNERGDGGIYIGSIMKGGAVAADGRIEPDMLLQVNDMNFENMSNDDAVRVLRDIVHKPGPIVLT
 VAKCWDPSQAYFTLPRNEPIQPIDPAAWVSHSAALTGAFPAYPGSSSMSTITSGSSLPDGCEGRGLSVH
 MDMASVTKAMAAPESGLEVRDRMWLKITIPNAFLGSDVVDWLYHHVEGFPERREARKYASGLLKAGLIRH
 TVNKITFSEQCYVFGDLGGCESYLVNLSLNDNDGSSGASDQDTLAPLPGATPWPLLPFYSYQYPAPHP
 YSPQPPPYHELSSYTYGGGSASSQHSEGRSSGSTRSDGGAGRTGRPEERAPESKSGSGSESELSSRGGG
 LRRGGEPGGTGDGPPPSRGSTGAPPNLRALPGLHPYGAPSGMALPYNPMMVMMPPPPPPVSTAVQPPG
 APPVRDLGSPPELTASRQSFHMAMGNPSEFFVDVM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007888

ORF Size: 2208 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_007888.4](#)

RefSeq Size: 2937 bp

RefSeq ORF: 2211 bp

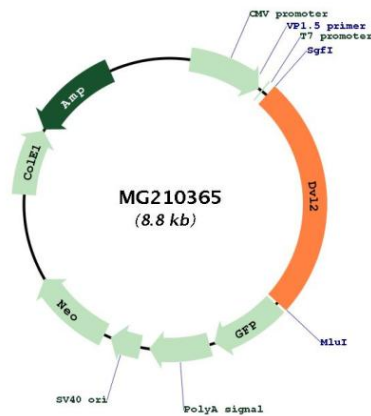
Locus ID: 13543

UniProt ID: [Q60838](#)

Cytogenetics: 11 42.96 cM

Gene Summary: Plays a role in the signal transduction pathways mediated by multiple Wnt genes. Participates both in canonical and non-canonical Wnt signaling by binding to the cytoplasmic C-terminus of frizzled family members and transducing the Wnt signal to down-stream effectors. Promotes internalization and degradation of frizzled proteins upon Wnt signaling. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210365