

Product datasheet for **MC221150**

Dvl2 (NM_007888) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dvl2 (NM_007888) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dvl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221150 representing NM_007888
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGGCAGCAGCGCGGGGGCGGTGGTGTAGCGGAGACGAAGGTGATTTACCATCTGGATGAAGAAG
 AGACTCCTTACCTGGTGAAGATCCCTGTCCCGGGGAGCGCATCACGCTCGGCGATTTCAAGAGCGTTTT
 GCAGCGGCCCGCGGGCGCAAGTACTTTTTCAAGTCCATGGATCAGGATTTGGGGTGGTGAAGGAAGAG
 ATCTCCGATGACAATGCCCGCTACCTTCTTCAATGGAAGGGTGTCTCCTGGCTTGTGTCTGATGATA
 CCCCACAGCCTGAGGTGGCTCCCCAGCCCATGAGTCTCGGACAGAACTGGTTCTCCGCTCCACCCTT
 ACCCCCTTTGCCACCAGAAAGGACCAGTGAATTGGGACTCAAGGCTCCATCCTTCCACCCTAATGTA
 TCCAGCAGCCATGAAAATCTAGAGCCTGAGACAGAGACCGAATCTGTCTGATCACTGAGGCGAGACCAGC
 CTAGGAGGAGAGACAGCAGTGAACATGGCGCTGGTGGCCACAGGCTGGTGGCCCTCGAGGCTGGAGCG
 CCACCTGGCTGGCTACGAGAGCTTCCACCCTCATGACCAGTGGAGAGTACCAGCCTAGGAGAC
 TCGGATGAGGATGACACCATGAGTAGGTTGAGCAGCTCCACTGAGCAGAGCAGTGCCTCCCGCTCCTCA
 AGCGCCACCGAAGGCGAAGGAAGCAGCGGCCGCCACGCATGGAGAGGACCTCATCCTTACGAGTGTAC
 CGATTCCACAATGTCTCTCAACATCATCACGGTACGCTCAACATGGAGAAGTACAACTTCTGGGCATC
 TCCATTGTGGCCAAAGTAAACGAGCGTGGTGTGGGGGCATCTACATCGGCTCCATCATGAAAGGGGGCG
 CGGTGGCTGCGGACGGGCGGATCGAGCCTGGAGACATGCTTTTGCAGGTAATGATGAACTTTGAGAA
 CATGAGCAACGACGATGCTGTACGAGTGTGAGAGACATCGTGCAACAAGCCAGGCCCATCGTGTGACC
 GTGGCCAAAGTGTGGGACCCGTCTCCAGGCCACTTCCACCCTCCCTCGAAATGAGCCCATCCAGCCCA
 TCGACCCAGCCGCTGGGTGTCGCACTCGGCTGCGTACTGGCGCTTCCCTGCTTACCCTGGCTCCTC
 ATCTATGAGCACTATCACATCTGGCTCCTCTGCTGATGGCTGCGAAGGCCGGGTCTCTCTGTCCAC
 ATGGACATGGCCTCTGTACCAAGGCCATGGCAGCCCCAGAGTCTGGGCTCGAAGTCCGGGACCGCATGT
 GGCTCAAGATCACCATCCCAAACGCCTTTCTAGGCTCCGATGTGGTGGACTGGCTGTACCATCACGTGGA
 AGGTTTTCTGAGCGCGGGAGGCCCGCAAGTATGCCAGTGGGCTGTTGAAGGCGGGACTCATCCGGCAC
 ACCGTCAACAAGATTACTTTCTCTGAGCAGTGTATTATGTCTTCCGGGACCTCAGTGGTGGCTGTGAGA
 GTTACCTAGTTAACCTCTCTGATGACAATGACGGTCCAGTGGGCTTCCAGACCAGGATACCCTGGC
 ACCTCTGCTGGAGCTACTCCCTGGCCCTGCTGCCACCTTCTCCTACCAGTATCCAGCGCCACACCCC
 TACAGCCCCAGCCTCCACCCTACCACGAGCTTTCTTCTGACACCTATGGTGGAGGCACTGCCAGCAGCC
 AGCACAGTGGGGGAGCCGGAGCAGCGGTGACACAAGAAGCGATGGGGGGCTGGGCGCACAGGCAGGCC
 TGAGGAACGGGCCCTGAGTCCAAGTCCGGCAGTGGCAGTGGTCAAGTCTCCAGCCGGGAGGCGAGC
 CTTCCGGGGGGTGGGAGCCTGGTGGGACTGGTGTGGCGGCCCTCCTCCATCCAGGGGCTGACAGGCG
 CTCTCTTAATCTCCGAGCTTCTCCGGGCTCCATCCCTATGGAGCCCCATCTGGCATGGCTCTCCCTA
 TAACCCCATGATGGTAGTTATGATGCCTCCACCCCAACCCCTGTCTCCACAGCAGTGCAGCCCCCTGGT
 GCCCTCCAGTCAGAGACCTGGGCTCCGTGCCCCAGAAGTACAGCTAGCCGTGAGGCTTCCACATGG
 CCATGGGCAACCCAGTGAAGTTTTTGTGGATGTTAT**G TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007888

Insert Size: 2211 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:	<ol style="list-style-type: none">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:	<u>NM_007888.3</u> , <u>NP_031914.3</u>
RefSeq Size:	2937 bp
RefSeq ORF:	2211 bp
Locus ID:	13543
UniProt ID:	<u>Q60838</u>
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]