

Product datasheet for **MG222241**

Dvl3 (NM_007889) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dvl3 (NM_007889) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dvl3
Synonyms:	b2b2866Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG222241 representing NM_007889
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGAGACCAAGATCATCTACCACCTGGACGGCCAGGAGACGCCGTACCTGGTGAAGCTGCCCTGC
 CCGCCGAGCGCGTCACCTTGGCGGACTTTAAGGGCGTTCTGCAGCGGCCAGCTATAAGTTCTTCTCAA
 GTCTATGGACGACGATTTTGGGGTGGTGAAGGAAGAGATCTCGGACGACAATGCCAAGCTACCCTGCTTC
 AATGGCCGGTGGTGTCTGGCTGGTATCTGCCGAGGGCTCACACCCAGAGCCGGCCCTTTCTGTGCTG
 ACAACCCGTGAGAGCTGCCACCTTCGATGGAACGCACAGGAGGCATTGGGGACTCTCGACCCCCCTCCTT
 CCACCCTCATGCTAGTGGGGGCAGCCAGGAGAATCTGGACAATGACACGGAGACCGACTCCTTGGTGTCT
 GCCCAACGAGAGCGGCCCGACGGAGGGATGGCCCGGAGCACGCAGCCGACTCAATGGAACCACAAAGG
 GTGAGCGGCGACGGGAGCCAGGGGCTATGACAGTTCATCTACCCTCATGAGCAGCGAGCTGGAGACTAC
 CAGTTTCTTTGATTCCGATGAGGATGATCCACCAGCAGGTTGAGCAGCTCCACAGAACAGAGCAGTGCC
 TCACGCCTCATGAGAAGACACAAGCGGCCGGCGGAAGCAGAAGGTCTCCCGGATTGAGCGGTCTCGT
 CTTTCAGCAGCATCACAGACTCCACTATGTCTCTCAACATCATCACCGTCACTCTCAACATGGAAAAGTA
 TAACCTTCTGGGCATCTCCATTGTGGCCAAAGCAATGAGCGAGGTGATGGGGGCATCTACATTGGCTCC
 ATCATGAAGGGTGGGGCTGTGGCAGCTGATGGACGCATTGAGCCAGGAGATATGCTACTGACGGTAAATG
 AGATCAACTTCGAGAACATGAGCAACGATGACGCGAGTCCGAGTCTTCGGGAGATTGTGCACAAGCCAGG
 GCCCATCACTCTGACTGTAGCCAAGTGTGGGACCAAGTCTTCGCGGCTGCTTCACATTACCCCGGAGC
 GAGCCCATCCGTCCTTATGACCTGCAGCCTGGGTCTCTCACACGGCAGCCATGACAGGCACCTTCCCGG
 CCTATGGCATGAGCCCCCTCCTTAAGCACCATCACCTCTACCAGTCTCCATCACCAGTCCATCCCTGA
 TACAGAGCGCCTAGATGATTTCCACCTCTCCATCCACAGTGACATGGCGGCCATCGTAAAAGCCATGGCC
 TCCCTGAGTCAGGGTTGGAGGTCCGAGACCGCATGTGGCTCAAGATTACCATTCCCAATGCTTTTCATCG
 GCTCGGATGTGGTGGACTGGCTGTACCACAACGTGGAAGGGTTACCCGACCGTCGGGAGGCCCGCAAGTA
 TGCTAGCAACCTGCTGAAAGCTGGTTTCATCCGCCATACCGTCAACAAGATCACGTTCTCCGAGCAGTGC
 TACTACATCTTTGGCGACCTCTGTGTAACATGGCCAACCTATCGCTTACGACCATGATGGCTCCAGTG
 GCGCCTCTGACCAGGACACACTGGCTCCTTTGCCGCACCCAGGAGCTGCCCTTGGCCTATGGCTTTCCC
 TTACCAGTACCCACCACCTCCGCATCCCTACAACCCACACCCAGGCTTCCCAGAAGTGGGCTACAGCTAC
 GGTGGGGGCGAGCCAGCAGTCAAGCAGTGAAGGCAGTCCGAGCAGTGGCTCCAACCGAAGTGGCAGCG
 ACCGGCGCAAGGAGAAGGACCCAAAAGCTGGGGACTCCAAGTCAAGTGGTGGTGGTGGTGGTGGTGGTGGT
 CACTACACGCAGCAGTCTGAGGGGGCCACGGGAGCGGGACCAAGCGAGCGATCAGGCCAGCGGCCAGC
 GAGCACAGCCACCGCAGTCAACATTCGCTGACCAGCAGCTGCGCAGCCACCACACACCCAAAGTATG
 GCCCACCCGGAGTGGCCCTCTCTATGGTCCCGGATGCTGATGATGACCCCGCCCGGCGAGCCATGGG
 TCCCCAGGAGCCCTCCAGGGCGTGACCTGGCTCGGTGCCCGGAACTGACGGCCAGCAGACAGTCC
 TTCCGCATGGCAATGGGAAACCCAGTGAGTTCCTTTGTGGATGTGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222241 representing NM_007889
 Red=Cloning site Green=Tags(s)

MGETKIIYHLDGQETPYLVKLPAPAEVTLADFKGVLQRPSYKFFKSMDDDFGVVKEEISDDNAKLPCF
 NGRVSWLVSAEGSHPEPAPFCADNPSELPPSMERTGGIGDSRPPSFHPHSGGSQENLNDTETDSLVS
 AQRERPRRRDGEHAARLNGTTKGERRRREPGGYDSSSTLMSSELETTSFDSDEDDSTSRFSSSTEQSSA
 SRLMRRHKRRRRKQKVSRIERSSSFSSITDSTMSLNIIITVTLNMEKYNFLGISIVGQSNERGDGGIYIGS
 IMKGGAVAADGRIE PGDMLLQVNEINFENMSNDDAVRVLREIVHKPGPITLTVAKCWDPSPRGCF LPRS
 EPIRPIDPAAWVSHTAAMTGTFPAYGMSPLSTITSTSSSITSSIPDTERLDDFHL SIHSDMAAIVKAMA
 SPESGLEVRDRMWLKITIPNAFIGSDVVDWLYHNVEGFTDRREARKYASNLLKAGFIRHTVNKITFSEQC
 YYIFGDL CGNMANLSLHDHDGSSGASDQDTLAPLPHPGAAPWPMAPFYQYPPPPHPYNPHPGPELGYSY
 GGSASSQHSEGRSSGSNRSGDRRKEKDPKAGDSKSGGSGSESDHTTRSSLRGP RERAPSERSGPAAS
 EHSRSHHSLTSSLRSHHTPSYGGVPPLYGPPMLMTPPPAAMGPPGAPPGRDLASVPELTASRQS
 FRMAMGNPSEFFVDVM

TRTRPLE - GFP Tag - V

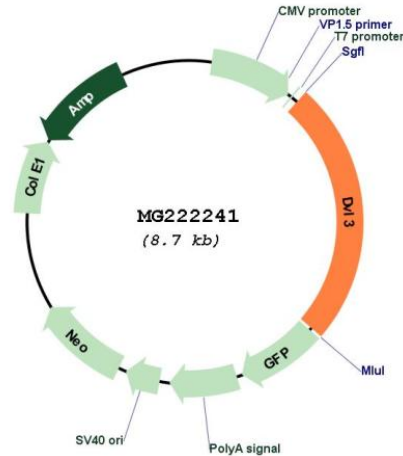
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007889

ORF Size: 2148 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_007889.3](#)

RefSeq Size: 2953 bp

RefSeq ORF: 2151 bp

Locus ID: 13544
UniProt ID: [Q61062](#)
Cytogenetics: 16 12.46 cM
Gene Summary: Involved in the signal transduction pathway mediated by multiple Wnt genes.
[UniProtKB/Swiss-Prot Function]