

Product datasheet for **MR222241**

Dvl3 (NM_007889) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dvl3 (NM_007889) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dvl3
Synonyms:	b2b2866Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR222241 representing NM_007889
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGAGACCAAGATCATCTACCACCTGGACGGCCAGGAGACGCCGTACCTGGTGAAGCTGCCCTGC
 CCGCCGAGCGCGTCACCTTGGCGGACTTTAAGGGCGTTCTGCAGCGGCCAGCTATAAGTTCTTCTCAA
 GTCTATGGACGACGATTTTGGGGTGGTGAAGGAAGAGATCTCGGACGACAATGCCAAGCTACCCTGCTTC
 AATGGCCGGTGGTGTCTGGCTGGTATCTGCCGAGGGCTCACACCCAGAGCCGGCCCTTTCTGTGCTG
 ACAACCCGTGAGAGCTGCCACCTTCGATGGAACGCACAGGAGGCATTGGGGACTCTCGACCCCCCTCCTT
 CCACCCTCATGCTAGTGGGGGCAGCCAGGAGAATCTGGACAATGACACGGAGACCGACTCCTTGGTGTCT
 GCCCAACGAGAGCGGCCCGACGGAGGGATGGCCCGGAGCACGCAGCCGACTCAATGGAACCACAAAGG
 GTGAGCGGCGACGGGAGCCAGGGGCTATGACAGTTCATCTACCCTCATGAGCAGCGAGCTGGAGACTAC
 CAGTTTCTTTGATTCCGATGAGGATGATCCACCAGCAGGTTGAGCAGCTCCACAGAACAGAGCAGTGCC
 TCACGCCTCATGAGAAGACACAAGCGGCCGGCGGGAAGCAGAAGGTCTCCCGGATTGAGCGGTCTCGT
 CTTTCAGCAGCATCACAGACTCCACTATGTCTCTCAACATCATCACCGTCACTCTCAACATGGAAAAGTA
 TAATTCTTGGGCATCTCCATTGTGGGCCAAAGCAATGAGCGAGGTGATGGGGGCATCTACATTGGCTCC
 ATCATGAAGGGTGGGGCTGTGGCAGCTGATGGACGCATTGAGCCAGGAGATATGCTACTGACGGTAAATG
 AGATCAACTTCGAGAACATGAGCAACGATGACGAGTCCGAGTCTTCGGGAGATTGTGCACAAGCCAGG
 GCCCATCACTCTGACTGTAGCCAAGTGTGGGACCAAGTCTCGCGGCTGCTTCACATTACCCCGGAGC
 GAGCCCATCCGTCCTTGAACCTGCAGCCTGGGTCTCTCACACGGCAGCCATGACAGGCACCTTCCCGG
 CCTATGGCATGAGCCCTCCTTAAGCACCATCACCTCTACCAGTCTCCATCACCAGTCCATCCCTGCA
 TACAGAGCGCCTAGATGATTTCCACCTCCATCCACAGTGACATGGCGGCCATCGTAAAAGCCATGGCC
 TCCCTGAGTCAGGGTTGGAGGTCAGACCGCATGTGGCTCAAGATTACCATTCCCAATGCTTTTCATCG
 GCTCGGATGTGGTGGACTGGCTGTACCACAACGTGGAAGGGTTACCCGACCGTCGGGAGGCCCGCAAGTA
 TGCTAGCAACCTGCTGAAAGCTGGTTTCATCCGCCATACCGTCAACAAGATCACGTTCTCCGAGCAGTGC
 TACTACATCTTTGGCGACCTCTGTGTAACATGGCCAACCTATCGCTTACGACCATGATGGCTCCAGTG
 GCGCCTCTGACCAGGACACACTGGCTCCTTTGCCGCACCCAGGAGCTGCCCTTGGCCTATGGCTTTCC
 TTACCAGTACCCACCACCTCCGCATCCCTACAACCCACACCCAGGCTTCCAGAACTGGGCTACAGCTAC
 GGTGGGGGCGAGCCAGCAGTCAAGCAGTGAAGGCAGTCGGAGCAGTGGCTCCAACCGAAGTGGCAGCG
 ACCGGCGCAAGGAGAAGGACCCAAAAGCTGGGGACTCCAAGTCAGGTGGTAGCGGCAGCGAGTCAGACCA
 CACTACACGCAGCAGTCTGAGGGGGCCACGGGAGCGGGCACCAAGCGAGCGATCAGGCCAGCGGCCAGC
 GAGCACAGCCACCGCAGTCAACATTCGCTGACCAGCAGCTGCGCAGCCACCACACACCCAAAGTATG
 GCCACCCGGAGTGCCCTCTCTATGGTCCCGGATGCTGATGATGACCCCGCCCGGCGAGCCATGGG
 TCCCCAGGAGCCCTCCAGGGCGTGACCTGGCTCGGTGCCCGGAACTGACGGCCAGCAGACAGTCC
 TTCCGCATGGCAATGGGAAACCCAGTGAGTTCCTTTGTGGATGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222241 representing NM_007889
 Red=Cloning site Green=Tags(s)

MGETKIIYHLDGQETPYLVKLP LPAERVTLADFKGVLQRP SYKFFFKSMDDDFGVVKEEISDDNAKLPCF
 NGRVVS WLVS AEGSHPEPAPFCADNPSELPPSMERTGGIGDSRPPSFH PHASGGSQENLNDTETDSLVS
 AQRERPRRRDGP EHAARLNGTTKGERRREP GGYDSSSTLMSSELETT SFSDDEDSTSRFSSSTEQSSA
 SRLMRRHKRRRRKQKVSRIERSSSFSSITDSTMSLNIITVTLNMEKYNFLGISIVGQSNERGDGGIYIGS
 IMKGGAVAADGRIE PGDMLLQVNEINFENMSNDDAVRVLREIVHKPGPITLTVAKCWDPSPRGCF LPRS
 EPIRPIDPAAWVSHTAAMTGTFPAYGMSPSLSTITSTSSSITSSIPDTERLDDFHL SIHSDMAAIVKAMA
 SPESGLEVRDRMWLKITIPNAFIGSDVVDWLYHNVEGFTDRREARKYASNLLKAGFIRHTV NKITFSEQC
 YYIFGDL CGNMANLSLHDHDGSSGASDQDTLAPLPHPGAAPWPM AFYQYPPPPHPYNPHPGFPELGYSY
 GGG SASSQHSEGRSSGNSRSGSDRRKEKDPKAGDSKSGGSGSESDHTTRSSLRGP RERAPSERSGPAAS
 EHSRSHHSLTSSLRSHHTPSYGGPVPPLYGPPMLMTPPPAAMGPPGAPPGRDLASVPELTASRQS
 FRMAMGNPSEFFVDVM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9037_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007889

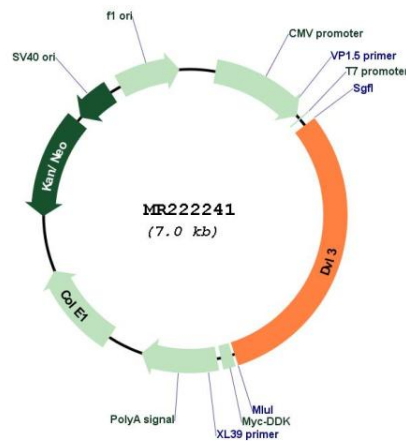
ORF Size: 2148 bp

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:	<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_007889.3</u>
RefSeq Size:	2953 bp
RefSeq ORF:	2151 bp
Locus ID:	13544
UniProt ID:	<u>Q61062</u>
Cytogenetics:	16 12.46 cM
MW:	78.6 kDa
Gene Summary:	Involved in the signal transduction pathway mediated by multiple Wnt genes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222241