

Product datasheet for **SC117370**

Dishevelled 3 (DVL3) (NM_004423) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dishevelled 3 (DVL3) (NM_004423) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dishevelled 3
Synonyms:	DRS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_004423 edited
GAATTCGGCACGAGGCCGGTAGCGGCCGGAACAAGGGAGCTGGCGCCGCCAGCAGCCG
CCGAGCTGGGTTGAGCCGCTGGGCCGCGCCGCGCCGCCGCTCTGGGAGGCTCGGCC
CGGCCGCCGAGCAGGCCGCGCGCGGGCCCGGGCCGAGGCCAGATGGGCGAGA
CCAAGATCATCTACCACTTGGATGGGCAGGAGACGCCGTACCTTGTGAAGCTGCCCTGC
CCGCCGAGCGGTACCTTGGCGGACTTTAAGGGCGTTTTGCAGCGACCCAGCTATAAGT
TCTTCTTCAAGTCTATGGACGACGATTTTCGGAGTGGTGAAGGAGGAGATCTCGGATGACA
ATGCCAAGCTACCATGCTTCAATGGCCGGTGGTGTCTGGCTGGTGTGACGCTGAGGGCT
CACACCCAGACCCAGCCCTTCTGTGCTGATAACCCATCGGAGCTGCCACCACCTATGG
AGCGCACGGGAGGCATCGGGGACTCCCGACCCCATCCTTCCACCCTCATGCTGGTGGGG
GCAGCCAGGAGAACCTGGACAATGACACAGAGACGGACTCTTTGGTGTCTGCCAGCGAG
AGCGGCCACGCCGAGGGATGGCCAGAGCATGCAACCCGGCTAAATGGAAGTGCGAAGG
GGGAACGGCGCGGAGAACCAGGGGGTTATGATAGCTCATCCACCCTTATGAGCAGTGAGC
TGGAGACCACCAGCTTCTTTGACTCAGATGAGGATGACTCCACCAGCAGGTTCCAGCAGCT
CCACAGAACAGAGCAGTGCCTCACGCCTGATGAGAAGACACAAGCGGCGGCGGCGGAAGC
AGAAGGTTTCTCGGATTGAGCGGCTCTCGTCTTACGACGATACCGACTCCACCATGT
CACTCAACATCATCACGGTCACTCTCAACATGGAAAAATAAAGTCTTTGGGCATCTCCA
TTGTGGGCCAAAGCAACGAGCGTGGTGACGGCGGCATCTACATTGGCTCTATCATGAAGG
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AGATCAACTTTGAGAACATGAGTAATGACGATGCAGTCCGGGACTGCGGGAGATTGTGC
ACAAACCGGGGCCATCACCTGACTGTAGCAAGTGTGGGACCAAGTCCACGTGGTT
GCTTACATTGCCAGGAGCGAGCCATCCGGCCATTGACCCTGCGGCCTGGGTCTCCC
ACACTGCAGCCATGACCCGCACTTCCCTGCATACGGCATGAGCCCTCCCTGAGCACCA
TCACCTCCACCAGCTCTCCATACCAGTTCCATCCCTGACACAGAGCGCCTAGACGACT
TCCACTTGTCCATCCACAGTGACATGGCTGCCATCGTAAAAGCCATGGCCTCCCTGAAT
CAGGGTTGGAGGTCGGTACCGCATGTGGCTCAAGATTACCATCCCTAATGCTTTCATCG
GCTCAGATGTGGTGGACTGGCTGTACCACAATGTGGAAGGCTTACCGACCCGAGGGAGG
CCCAGGATGCCAGCAACCTGCTGAAAGCTGGCTTCCATCCGCCATACCGTCAACAAGA
TCACCTTCTCCGAGCAGTGTACTACATCTTCCGTGACCTCTGCGGCAACATGGCCAACC
TGTCTCTCCACGATCACGATGGCTCCAGTGGCGCCTCTGACCAGGACACACTGGCCCTT
TGCCGACCCGGGGCCGCCCTTGGCCATGGCTTCCCGTACCAGTACCCGCCACCC
CGCACCCATACAACCCGACCCGGGCTTCCCGGAGCTGGGCTACAGCTACGGCGGGGCA
GCGCCAGCAGTCAGCACAGCGAAGGCAGTCCGAGCAGTGGCTCCAACCGTAGCGGCAGCG
ATCGGAGGAAGGAGAAGGACCCGAAGGCCGGGACTCCAAGTCCGGGGGAGCGGCAGCG
AATCGGACCACACACACGACGAGCCTGCGGGGGCCGCGGGAGCGGGCGCCAGCGAGC
GCTCAGGGCCGGCGGACGAGCAGCACAGCCACCGAGCCACCATCCCTGGCCAGCAGCC
TTCGACGCCACACACACCCGAGTACGGTCTCCCGGAGTGGCCCTCTCTACGGCC
CCCCATGCTGATGATGCCCCGCGCCGCGGCCATGGGGCCCCAGGAGCCCCCTCCGG
GCCGCGACTGGCCTCAGTGCCCCGGAAGTACCGCCAGCAGACAGTCTTCCGCATGG
CCATGGGAAACCCAGTGAGTTCTTTGTGGATGTGATGTGAGCAGGGCCCTCCCCGAGC
TCCATTCCGCTCCACCCAGCCGGCTGCGTTCCTCTCTCCATCCGTCCGTCTTTTTTAC
TTTGTCTGGTACCTGAAAGGGAAATAAAAGGAACTAAATCCAGGTGCGCTAACTGCTCGC
AGGGTGTGCGAGGGTGGGTGCACCTACCGATTGGCTCTGCAGCCCCCTAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004423 unedited</p> <pre> NGGTGCATATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCCGGTAGC GGCCGGAGAACAAGGAGCTGGCGCCGCCAGCAGCCGCGAGCTGGGTTGAGCCGCTGGGC CGCGCCGCGCGCCGCCGCGTCTGGGAGGCTCGGCCCGGCCCGCCGAGCAGGCCGCGCGC GGGCCCGCGGGCCGAGGCCAGACCATGGGCGAGACCAAGATCATCTACCACTTGGATG GGCAGGAGACGCCGTACCTTGTGAAGCTGCCCTGCCCGCCGAGCGCGTACCTTGGCGG ACTTTAAGGGCGTTTTGCAGCGACCCAGCTATAAGTTCTTCTTCAAGTCTATGGACGAGC ATTTCCGAGTGGTGAAGGAGGAGATCTCGGATGACAATGCCAAGCTACCATGCTTCAATG GCCGGTGGTGTCTGGCTGGTGTGAGGCTCACACCCAGACCCAGCCCCCTTCT GTGCTGATAACCCATCGGAGCTGCCACCACCTATGGAGCGCACGGGAGGCATCGGGGACT CCCCACCCCATCCTTCCACCCTCATGCTGGTGGGGGAGCCAGGAGAACCTGGACAATG ACACAGAGACGGACTCTTGGTGTCTGCCAGCGAGAGCGGCCACGCCGAGGGATGGCC CAGAGCATGCAACCCGGCTAAATGGAAGTGCAGAGGGGGAACGGCGGCGAGAACCNGGG TTATGATAGCTCATCCACCTTATGAGCAGTGAAGTGGAGACCACAGCTTCTTTGACTC AGATGAGGATGACTCCACCAGCAGTTTCCAGCAGTTTACAACAAAAGCAGTGCCTCAGC CCTGATGAGAAGACACAAGCGGCCGCGGCGGAAGCAGAAGTTTCTCGATTGAGCGGTTCT CGTCCTCAGCAGCATCACGACTCAC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004423 unedited</p> <pre> GGGGGACCGGGCTCAAGCCCCACATTAANNNNNNGNNGTACGTGANACGAGAGCC GCATCANNANATNCGATT TTTTTTTTTTTTAGGGGCTGAAAACCAATCGGGAGGGGACCCACCCTTGCAACACC CTGGGAGCAGTTAGCGCACCTGGATTTAATTCCTTTTATTTCCCTTTCAGGGACCAACA AAGTAAAAAAACGGACGGTTTGTAAAAAGAACCACCCCGCTGGGGGGGAACGGAAT GAACTGGGGGAGGGGCCCTGTTTACATTACATCCACAAAAAACTCACTGGGGTTTCCCA TGGCCATGCGGAAGGACTGTTTGTGCGGTCATTCGGGGGCACTGAGGCCAAGTCGC GGCCCGGAGGGGCTCTGGGGGCCCCATGGCCGGGGGCGGGGGGGCATTATCAACATGG GGGGGCGTAAAAAGGGGGCACTCCGGGAGGACCGTAACCGGGTGTGTGGGGGCTGC AAAAGCTGCTGGCCAAGGAATGGGGGCTCGGGGGCTGTGCTCCCTGGCCCCGGCCCTG AACGCTTGTGGCGCCCGCTCCCGGCCCCCAAGCTGTTGGGTGGGGGTGGGCA ATTGCTGCGCGTGGCCCGGACTTGGGAATCCCGGCCTTTGGGTCTTTTCTTTCTTC CATCGCTGCCGCTACGGTTGGAACCAATGGTTCCAATGGCTTCTTGGGTGACTGGTG GGCCTGCCCCCCCGTAAGTGTAAACCCACCCTCCGAAACCCCGGTGCCGTTTTAATGG GTGCGGGGGGGGGGTTACTCTGTCCGAAAACCCAGTGGCAAGGGGCGCCCCCGGGG CCCAAAAGGGCCATGGGTTCTTGTAAAAGCGCCCTTGAACCATGGAACCGGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004423
Insert Size:	2440 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:	NM_004423.3 , NP_004414.3
RefSeq Size:	5062 bp
RefSeq ORF:	2151 bp
Locus ID:	1857
UniProt ID:	Q92997
Cytogenetics:	3q27.1
Domains:	DEP, DAX, PDZ, Dishevelled
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Basal cell carcinoma, Colorectal cancer, Melanogenesis, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway
Gene Summary:	This gene is a member of a multi-gene family which shares strong similarity with the <i>Drosophila</i> dishevelled gene, <i>dsh</i> . The <i>Drosophila</i> dishevelled gene encodes a cytoplasmic phosphoprotein that regulates cell proliferation. [provided by RefSeq, Jul 2008]