OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC208406L4V

DVL1 (NM_182779) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DVL1 (NM_182779) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DVL1
Synonyms:	dishevelled, dsh homolog 1 (Drosophila); dishevelled 1; dishevelled 1 (homologous to Drosophila dsh); DVL; DVL, MGC54245; MGC54245; OTTHUMP00000003104
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_182779
ORF Size:	1332 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC208406).`
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.
RefSeq:	NM_182779.2, NP_877580.1
RefSeq Size:	2266 bp
RefSeq ORF:	1334 bp
Locus ID:	1855
Cytogenetics:	1p36.33
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

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MW: 47.7 kDa

Gene Summary: DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. [provided by RefSeq, Jul 2008]