

Product datasheet for RC202233L3

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

Dishevelled 2 (DVL2) (NM_004422) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Dishevelled 2 (DVL2) (NM_004422) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Dishevelled 2

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

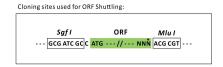
ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC202233).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004422

ORF Size: 2208 bp



Dishevelled 2 (DVL2) (NM_004422) Human Tagged Lenti ORF Clone - RC202233L3

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: <u>NM 004422.2</u>

RefSeq Size: 3046 bp
RefSeq ORF: 2211 bp
Locus ID: 1856

 UniProt ID:
 O14641

 Cytogenetics:
 17p13.1

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

MW: 78.9 kDa

Gene Summary: This gene encodes a member of the dishevelled (dsh) protein family. The vertebrate dsh

proteins have approximately 40% amino acid sequence similarity with Drosophila dsh. This gene encodes a 90-kD protein that undergoes posttranslational phosphorylation to form a 95-kD cytoplasmic protein, which may play a role in the signal transduction pathway mediated by multiple Wnt proteins. The mechanisms of dishevelled function in Wnt signaling are likely

to be conserved among metazoans. [provided by RefSeq, Jul 2008]