Recombinant Human DVL1

Cat. No. DVL1-28351TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Dishevelled / Dvl1 with N terminal proprietary tag, 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAETKIIYHMDEEETPYLVKLPVAPERVTLADFKNVLSNR PVHAYKFFFKSMDQDFG VVKEEIFDDNAKLPCFNGRVVSW LVLAEGAHSDAGSQGTDSHTDLPPPLERTG
Sequence Similarities	Belongs to the DSH family.Contains 1 DEP domain.Contains 1 DIX domain.Contains 1 PDZ (DHR) domain.

GENE INFORMATION

Gene Name	DVL1 dishevelled, dsh homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	DVL1
Synonyms	DVL1; dishevelled, dsh homolog 1 (Drosophila); dishevelled 1 (homologous to Drosophila dsh); segment polarity protein dishevelled homolog DVL-1;
Gene ID	1855
mRNA Refseq	NM_004421
Protein Refseq	NP_004412
MIM	601365
Uniprot ID	O14640
Chromosome Location	1p36
Pathway	Adipogenesis, organism-specific biosystem; Basal cell carcinoma, organism-specific

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	biosystem; Basal cell carcinoma, conserved biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem;
Function	Rac GTPase binding; Rac GTPase binding; enzyme binding; frizzled binding; identical protein binding;

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