# Recombinant Full Length Human DVL1 Protein, GST-tagged

**Cat. No.** DVL1-4135HF **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human DVL1 full-length ORF ( NP_877580.1, 1 a.a. - 444 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | In Vitro Cell Free System |
| **ProteinLength** | 444 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. [provided by RefSeq, Jul 2008] |
| **Molecular Mass** | 74.1 kDa |
| **AA Sequence** | MAETKIIYHMDEEETPYLVKLPVAPERVTLADFKNVLSNRPVHAYKFFFKSMDQDFG VVKEEIFDDNAKLPCFNGRVVSWLVLAEGAHSDAGSQGTDSHTDLPPPLERTGGIG DSRPPSFHPNVASSRDGMDNETGTESMVSHRRERARRRNREEAARTNGHPRGDR RRDVGLPPDSASTALSSELESSSFVDSDEDGSTSRLSSSTEQSTSSRLTRKYASSLL KHGFLRHTVNKITFSEQCYYVFGDLCSNLATLNLNSGSSGTSDQDTLAPLPHPAAP |

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| | WPLGQGYPYQYPGPPPCFPPAYQDPGFSYGSGSTGSQQSEGSKSSGSTRSSRRA PGREKERRAAGAGGSGSESDHTAPSGVGSSWRERPAGQLSRGSSPRSQASATAP GLPPPHPTTKAYTVVGGPPGGPPVRELAAVPPELTGSRQSFQKAMGNPCEFFVDIM |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **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; DSH homolog 1; dishevelled-1; DVL; DVL1L1; MGC54245; |
| **Gene ID** | 1855 |
| **mRNA Refseq** | NM_004421 |
| **Protein Refseq** | NP_004412 |

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| **MIM** | 601365 |
| **UniProt ID** | O14640 |

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