



# Recombinant Human Segment polarity protein dishevelled homolog DVL-1 (DVL1)

<b>Product Code</b>	CSB-MP007284HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14640
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAETKIIYHM DEEETPYLVK LPVAPERVTL ADFKNVLSNR PVHAYKFFFK  SMDQDFGVVK EEIFDDNAKL PCFNDRVSW LVLAEGAHS AGSQGTDSHT  DLPPPLERTG GIGDSRPPSF HPNVASSRDG MDNETGTESM VSHRRERARR  RNREEAARTN GHPRGDRRD VGLPPDSAST ALSSELESSS FVDSDEDGST  SRLSSSTEQS TSSRLIRKHK RRRRKQLRQ ADRASSFSSI TDSTMSLNIV  TVTLNMERHH FLGISIVGQS NDRGDGGIYI GSIMKGGAVA ADGRIEPGDM  LLQVNDVNF NMSNDDAVRV LREIVSQTGP ISLTVAKCWD PTPRSYFTVP  RADPVRPIDP AAWLSHTAAL TGALPRYGTS PCSSAVTRTS SSSLTSSVPG  APQLEEAPLT VKSDMSAVVR VMQLPDSGLE IRDRMWLKIT IANAVIGADV  VDWLYTHVEG FKERREARKY ASSLLKHGFL RHTVNKITFS EQCYVFGDL  CSNLATLNLN SGSSGTSDQD TLAPLPHAA PWPLGQGY PYQYPGPPPCFP  PAYQDPGFSY GSGSTGSQQS EGSKSSGSTR SSRRAPGREK  ERRAAGAGGS GSESDHTAPS GVGSSWRERP AGQLSRGSSP  RSQASATAPG LPPPHPTTKA YTVVGGPPGG PPVRELAAMP PELTGSRQSF  QKAMGNPCEF FVDIM</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	DVL1
<b>Protein Names</b>	Recommended name: Segment polarity protein dishevelled homolog DVL-1 Short name= Dishevelled-1 Alternative name(s): DSH homolog 1
<b>Expression Region</b>	1-695
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.