Dishevelled, Dsh Homolog 1 (DVL1) Recombinant Protein | DVL1 recombinant protein

Recombinant Dishevelled, Dsh Homolog 1 (DVL1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA135477	**E. coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

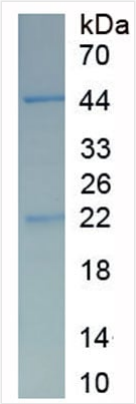
PRODUCT SYNONYMS

Dishevelled; Dsh Homolog 1 (DVL1); Recombinant Dishevelled; DVL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Homo sapiens (Human)
Purity/Purification	>90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 50ug/mL (varies by lot)
Applicable Applications for DVL1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression.
Residues	Arg150~Lys285
Tags	N-terminal His-Tag
Subcellular Location	Membrane, Cytoplasm.
Traits	Freeze-dried powder
Predicted isoelectric point	11.1
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of < = 0.05 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

R
RNREEAARTN GHPRGDRRRD VGLPPDSAST ALSSELESSS FVDSDEDGST
SRLSSSTEQS TSSRLIRKHK RRRRKQRLRQ ADRASSFSSI TDSTMSLNIV
TVTLNMERHH FLGISIVGQS NDRGDGGIYI GSIMK

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	119576628
NCBI GeneID	1855
UniProt Accession #	O14640; Q5TA33; Q5TA35; P54792
Molecular Weight	Predicted Molecular Mass: 18.8kDa Accurate Molecular Mass: 22 & 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	dishevelled, dsh homolog 1 (Drosophila), isoform CRA_a
NCBI Official Synonym Full Names	dishevelled segment polarity protein 1
NCBI Official Symbol	DVL1
NCBI Official Synonym Symbols	DVL; DVL1L1; DVL1P1
NCBI Protein Information	segment polarity protein dishevelled homolog DVL-1; DSH homolog 1; dishevelled-1; dishevelled, dsh homolog 1; dishevelled 1 (homologous to Drosophila dsh)
UniProt Protein Name	Segment polarity protein dishevelled homolog DVL-1
UniProt Gene Name	**DVL1**
UniProt Synonym Gene Names	Dishevelled-1
UniProt Entry Name	DVL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/dvl1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135477