

## DVL1 Protein, Human, Recombinant (His)

## General Information

Synonyms: Dishevelled-1;DVL1;Segment polarity protein dishevelled homolog DVL-1;DSH homolog 1

Protein Construction: 1-695 aa

Species: Human

Expression Host: E. coli

Accession: O14640

Molecular Weight: 82.2 kDa (Predicted)

AA Sequence: MAETKIIYHMDEETPYLVKLPVAPERVTLADFKNVLSNRPVHAYKFFFKSMDQDFGVVKEEIFDDNAKLPCF  
NGRVVSWLVLAEGAHS DAGSQGTDSDHTLPPPLERTGGIGDSRPPSFHPNVASSRDGMDNETGTESMVSHR  
RERARRRNREEAARTNGHPRGDRRRDVGLPPDSASTALSSELESSSFVDSDEDGSTRLSSTSEQSTSSRLIRK  
HKRRRRKQRLRQADRASSFSSITDSTMSLNIVTVTLNMERHHFLGISIVGQSNDRGDGGIYIGSIMKGGAVAA  
DGRIE PGDMLLQVNDVNFENMSNDDAVRVLREIVSQTGPISLTVAKCWDPTPRSYFTVPRADPVRPIDPAAW  
LSHTAALT GALPRYGTSPCSSAVTRTSSSSLTSSVPGAPQLEEAPLTVKSDMSAVVRVMQLPDSGLEIRDRMW  
LKITIANAVIGADVVDWLYTHVEGFKERREARKYASSLLKHGFLRHTVNKITFSEQCYVFGDLC SNLNLN  
SGSSGTS DQDTLAPLPHPAAPWPLGQGYQYPGPPPCFPAYQDPGFSYGS GSTGSQQSEGS KSSGSTRS  
SRRAPGREKERRAAGAGGSGSES DHTAPSGVGS WRERPAGQLSRGSS PRSQASATAPGLPPPHPTTKAYT  
VVGPPGPPVRELA AVPELTGSRQSFQKAMGNPCEFFVDIM

## QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

Purity: >85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.  
If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481