

Datasheet for ABIN7563374  
**DVL1 Protein (AA 1-695) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DVL1
Protein Characteristics:	AA 1-695
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DVL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Dvl1 Protein expressed in mammalien cells.
Sequence:	MAETKIIYHM DEETPYLVK LPVAPERVTL ADFKNVLSNR PVHAYKFFFK SMDQDFGVVK EEIFDDNAKL PCFN GRV VSW LVLAEGAHS D AGSQG TDSHT DLPPPLERTG GIGDSRPPSF HPNVASSRDG MDNETGTESM VSHRRERARR RNRDEAARTN GHPRGD RRRD LGLPPDSAST VLSSELESSS FIDSDEEDNT SRLSSSTEQS TSSRLVRKHK CRRRKQRLRQ TDRASSFSSI TDSTMSLNII TVTLNMERHH FLGISIVGQS NDRGDGGIYI GSIMKGGAVA ADGRIEPGDM LLQVNDVNFE NMSNDDAVRV LREIVSQTGP ISLTVAKCWD PTPRSYFTIP RADPVRPIDP AAWLSHTAAL TGALPRYGTS PCSSAITRTS SSSLTSSVPG APQLEEAPLT VKSDMSAIVR VMQLPDSGLE IRDRMWLKIT IANAVIGADV VD WLYTHVEG FKERREARKY ASSMLKHGFL RHTVNKITFS EQCYVFGDL CSNLASLNLN SGSSGASDQD TLAPLPHPSV PWPLGQGYPY QYPGPPPCFP PAYQDPGFSC GSGSAGSQQS EGSKSSGSTR SSHRTPGREE RRATGAGGSG SESDHTVPSG SGSTGWWERP VSQLSRGSSP RSQASAVAPG LPPLHPLTKA YAVVGGPPGG

PPVRELAAPV PELTGSRQSF QKAMGNPCEF FVDIM **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	DVL1
Alternative Name:	Dvl1 ( <a href="#">DVL1 Products</a> )
Background:	<p>Segment polarity protein dishevelled homolog DVL-1 (Dishevelled-1) (DSH homolog 1),FUNCTION: Participates in Wnt signaling by binding to the cytoplasmic C-terminus of frizzled family members and transducing the Wnt signal to down-stream effectors. Plays a role both in canonical and non-canonical Wnt signaling. Plays a role in the signal transduction pathways mediated by multiple Wnt genes. Required for LEF1 activation upon WNT1 and WNT3A signaling. DVL1 and PAK1 form a ternary complex with MUSK which is important for MUSK-dependent regulation of AChR clustering during the formation of the neuromuscular junction (NMJ). {ECO:0000269 PubMed:11101902, ECO:0000269 PubMed:12165471, ECO:0000269 PubMed:15353129, ECO:0000269 PubMed:19637179}.</p>

### Target Details

Molecular Weight:	75.4 kDa
UniProt:	<a href="#">P51141</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Skeletal Muscle Fiber Development</a>

### Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months