

Datasheet for ABIN7563664  
**DISP1 Protein (AA 1-1521) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DISP1
Protein Characteristics:	AA 1-1521
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DISP1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Disp1 Protein expressed in mammalian cells.
Sequence:	MAVISGSDSV LLSNGSISTS TSNPSPLSPS DGDLP AQHLG PRETPRTKAS PNGCLQLNGT VKSSFLPLDN QRTPQTPTQC CHPCPYHHPV SSSHNHQECH PEAGLAASPA LASC RMQPHS EYSASLCPNH SPVYQAAHCL QPSPSFCLHH PWPDPHFQHQV VRQHLTIIRP SRPFKFRSY AALLADWPVV VLG MCTLLIV VCALVGVLP ELPDFSDPLL GFEP RGTIG QRLVTWNNMM RNTGYKATLA NYPYKYAEEQ ARSHRDDRWS DDHHERERRE VDWNFQKDSF FCDVPSDGY S RVVFASAGGE TLWNLPAIKS MCDVDNSRIR SHPQFSDLCQ RTTAVSCCPS WTLGNYIAIL NNRSSCQKIV ERDVSHTLKL LRTCAKH YQN GTLGPDCWDK AARRKDQLKC TNVPRKCTKY NAVYQILHYL VDKDFMTPKT ADYAVPALKY SMLFSPTEKG ESM MN IYLDN FENWNSSDGI TTVTGIEFGI KHS LFQDYLL MDTVYPAIAI AIVLLIMCVY TKSMFITLMT MFAISSLIV SYFLYRVVFN FEFFPFMNL T ALIILVGIGA DDAFVLCVW NYTKFDK PRA ETSEAVSVTL QHAALSMFVT SFTTAAAFYA NYVSNITAIR CFGVYAGTAI LVNYVLMVTW LPAVIVLHER YLLNIFTCFR KPQPQAYDKS CWAVLCQKCR RVLFAVSEAS RIFFEKVLPC IVIKFRYLWL IWFLALT VGG

AYIVCVNPKM KLPSLESEF QVFRSSHPFE RYDAEFKFLF MFERVHHGEE LHMPITVIWG  
VSPEDSGDPL NPKSKGELTL DSTFNIA SPA SQAWILHFCQ KLRNQTFHFQ TEQQDFTSCF  
IETFKQWMEN QDCDEPALYP CSHCSFPYK QEVFELCIKK AIMELDRSTG YHLNNKTPGP  
RFDINDTIRA VVLEFQSTFL FTLAYEKMQQ FYKEVDSWIS HELSSAPEGL SRGWVFSNLE  
FYDLQDSLSD GTLIAMGLSV AVAFSVMLLT TWNIISLYA IVSIAGTIFV TVGSLVLLGW  
ELNVLESVTI SVAVGLSVDF AVHYGVAYRL APDPDREGKV IFSLSRMGSA IAMAALTTFF  
AGAMMMPSTV LAYTQLGTFM MLVMCVSWAF ATFFFQCLCR CLGPQGTGCGQ IPFPTKLQCS  
PFSHTLSARP GDRGPSKTHA ASAYSVDARG QKSQLEHEFY ELQPLASHSC TSSEKTTYEE  
PHTCSEFFNG QAKNLRMPVP AAYSSELTKS PSSEPGSALL QSCLEQD TVC HFSLNPRCNC  
RDAYTHLQYG LPEIHCQQMG DSLCHKCAST AGGFVQIQSS VAPLKASHQA AEGLLHPAQH  
MLPPGMQNSR PRNFFLHSVQ HFQAQENLGR TSTHSTDERL PRTAELSPPP SDSRSTESFQ  
RACCHPENNQ RRLCKSRDPG DTEGSGGTKS KVSGLPNQTD KEEKQVEPSL LQTDETVNSE  
HLNHNESNFT FSHLPGEAGC RSCPNSPQSC RSIMRSKCGT EDCQTPNLEA NVPAVPTHSD  
LSGESLLIKT L **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.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target:	DISP1
Alternative Name:	Disp1 ( <a href="#">DISP1 Products</a> )
Background:	Protein dispatched homolog 1 (Mdispa),FUNCTION: Functions in hedgehog (Hh) signaling. Regulates the release and extracellular accumulation of cholesterol-modified hedgehog proteins and is hence required for effective production of the Hh signal. Synergizes with SCUBE2 to cause an increase in SHH secretion (PubMed:22902404). {ECO:0000269 PubMed:12372258, ECO:0000269 PubMed:12372301, ECO:0000269 PubMed:12421714, ECO:0000269 PubMed:22902404}.
Molecular Weight:	170.1 kDa
UniProt:	<a href="#">Q3TDN0</a>
Pathways:	<a href="#">Hedgehog Signaling</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

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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