

Datasheet for ABIN7553685  
**DISP1 Protein (AA 1-1524) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	DISP1
Protein Characteristics:	AA 1-1524
Origin:	Human
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:	MAMSNNGNDF VVLSNSSIAT SAANPSPLTP CDGDHAAQQL TPKEATRTRKV SPNGCLQLNG TVKSSFLPLD NQRMPQMLPQ CCHPCPYHHP LTSHSSHQEC HPEAGPAAPS ALASCCMQPH SEYSASLCPN HSPVYQTTCC LQSPSPFCLH HPWPDHFQHQ PVQQHIANIR PSRPFKLPKS YAALIADWPV VVLGMCTMFI VVCALVGVLV PELPDFSDPL LGFEPRGTAI GQRLVTWNNM VKNTGYKATL ANYPFKYADE QAKSHRDDRW SDDHYEREKR EVDWNFHKDS FFCDVPSDRY SRVVFTSSGG ETLWNLPAIK SMCNVDNSRI RSHQPFGDLC QRTTAASCCP SWTLGNFYIAI LNNRSSCQKI VERDVSHTLK LLRTCAKHYQ NGTLGPDCCWD MAARRKDQLK CTNVPRKCTK YNAVYQILHY LVDKDFMTPK TADYATPALK YSMLFSPTEK GESMMNIYLD NFENWNSSDG VTTITGIEFG IKHSLFQDYL LMDTVYPAIA IVIVLLVMCV YTKSMFITLM TMFAISSLI VSYFLYRVVF HFEFFPFMNL TALIILVGIG ADDAFVLC DV WNYTKFDKPH AETSETVSIT LQHAALSMFV TSFTTAAAFY ANYVSNITAI RCFGVYAGTA ILVNYVLMVT WLPVVVLHE RYLLNIFTCF KKPQQIYDN KSCWTVACQK CHKVLFALSE ASRIFFEKVL PCIVIKFRYL WLFWFLALTV

GGAYIVCINP KMKLPSLELS EFQVFRSSHP FERYDAEYKK LFMFERVHHG EELHMPITVI  
WGVSPEDNGN PLNPKSKGKL TLDSSFNIA PASQAWILHF CQKLRNQTF YQTDEQDFTS  
CFIETFKQWM ENQDCDEPAL YPCCSHWSFP YKQEIFELCI KRAIMELERS TGYHLDSKTP  
GPRFDINDTI RAWLEFQST YLFTLAYEKM HQFYKEVDSW ISSELSSAPE GLSNGWFVSN  
LEFYDLQDSL SDGTLIAMGL SVAVAFSVML LTTWNIISL YAIISIAGTI FVTVGSLLVLL  
GWELNVLESV TISVAVGLSV DFAVHYGVAY RLAPDPDREG KVIFSLSRVG SAMAMAALTT  
FVAGAMMMPS TVLAYTQLGT FMMLIMCISW AFATFFFQCM CRCLGPQGTC GQIPLPKKLQ  
CSAFSHALST SPSDKGQSKT HTINAYHLDP RGPKSELEHE FYELEPLASH SCTAPEKTTY  
EETHICSEFF NSQAKNLGMP VHAAYNSELS KSTESDAGSA LLQPPLEQHT VCHFFSLNQR  
CSCPDAYKHL NYGPHSCQQM GDCLCHQCSP TTSSFVQIQN GVAPLKATHQ AVEGFVHPIT  
HIHHCPCQLG RVKPAQMNS LPRNFFLHPV QHIQAQEKIG KTNVHSLQRS IEEHLPKMAE  
PSSFVCRSTG SLLKTCCDPE NKQRELCKNR DVSNLESSGG TENKAGGKVE LSLSQTDASV  
NSEHFNQNEP KVLFNHLMGE AGCRSCPNNNS QSCGRIVRVK CNSVDCQMPN MEANVPAVLT  
HSELGSELL IKTL **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,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 (By similarity). Synergizes with SCUBE2 to cause an increase in SHH secretion (PubMed:22902404). {ECO:0000250 UniProtKB:Q3TDN0, ECO:0000269 PubMed:22902404}.
Molecular Weight:	170.9 kDa
UniProt:	<a href="#">Q96F81</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