

Datasheet for ABIN7553620  
**DAAM1 Protein (AA 1-1078) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DAAM1
Protein Characteristics:	AA 1-1078
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAAM1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DAAM1 Protein expressed in mammalian cells.
Sequence:	MAPRKRGGRG ISFIFCCFRN NDHPEITYRL RNSDNFALQT MEPALPMPV EELDVMFSEL VDELDLTDKH REAMFALPAE KKWQIYCSKK KDQENKGAT SWPEFYIDQL NSMAARKSLL ALEKEEEEEER SKTIESLKTA LRTKPMRFVT RFIDLDGLSC ILNFLKTM DY ETSESRIHTS LIGCIKALMN NSQGRAHVLA HSESINVIAQ SLSTENIKTK VAVLEILGAV CLVPGGHKKV LQAMLHYQKY ASERTRFQTL INDLDKSTGR YRDEVSLKTA IMSFINAVLS QGAGVESLDF RLHLRYEFLM LGIQPVIDKL REHENSTLDR HLDFFEMLRN EDELEFAKRF ELVHIDTKSA TQMFELTRKR LTHSEAYPHF MSILHHCLQM PYKRSGNTVQ YWLLLDRIIQ QIVIQNDKGQ DPDSTPLENF NIKNVVRMLV NENEVKQWKE QAEKMRKEHN ELQKLEKKE RECDAKTQEK EEMMQLNKM KEKLEKETTE HKQVQQQVAD LTAQLHELRS RAVCASIPGG PSPGAPGGPF PSSVPGSLLP PPPPPPLPGG MLPPPPPLP PGGPPPPPGP PPLGAIMPPP GAPMGLALKK KSIPQPTNAL KSFNWSKLPE NKLEGTWVTE IDDTKVFKIL DLEDLERTFS AYQRQQDFV NSNSKQKEAD AIDDTLSSKL KVKELSVIDG RRAQNCNILL SRLKLSNDEI KRAILTMDEQ

## Product Details

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EDLPKDMLEQ LLKFVPEKSD IDLLEEHEKHE LDRMAKADRF LFEMSRINHY QQRLQSLYFK  
KKFAERVAEV KPKVEAIRSG SEEVFRSGAL KQLLEVVLAF GNYMKNKGQRG NAYGFKISSL  
NKIADTKSSI DKNITLLHYL ITIVENKYPS VLNLNEELRD IPQAAKVNMT ELDKEISTLR  
SGLKAVETEL EYQKSQPPQP GDKFVSVVSQ FITVASFSFS DVEDLLAEAK DLFTKAVKHF  
GEEAGKIQPD EFFGIFDQFL QAVSEAKQEN ENMRKKKEEE ERRARMEAQL KEQRERERKM  
RKAKENSEES GEFDDLVSAL RSGEVFDKDL SKLKRNRKRI TNQMTDSSRE RPITKLNF **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.**

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.

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.

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

Grade: custom-made

## Target Details

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Target: DAAM1

Alternative Name: DAAM1 ([DAAM1 Products](#))

Background: Disheveled-associated activator of morphogenesis 1,FUNCTION: Binds to disheveled (Dvl) and Rho, and mediates Wnt-induced Dvl-Rho complex formation. May play a role as a scaffolding

## Target Details

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protein to recruit Rho-GDP and Rho-GEF, thereby enhancing Rho-GTP formation. Can direct nucleation and elongation of new actin filaments. Involved in building functional cilia (PubMed:16630611, PubMed:17482208). Involved in the organization of the subapical actin network in multiciliated epithelial cells (By similarity). Together with DAAM2, required for myocardial maturation and sarcomere assembly (By similarity).

{ECO:0000250|UniProtKB:B0DOB5, ECO:0000250|UniProtKB:Q8BPM0, ECO:0000269|PubMed:16630611, ECO:0000269|PubMed:17482208}.

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Molecular Weight: 123.5 kDa

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UniProt: [Q9Y4D1](#)

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Pathways: [WNT Signaling](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months