



Datasheet for ABIN3136248  
**DAAM1 Protein (AA 1-1077) (His tag)**



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1 Image

Overview

Quantity:	1 mg
Target:	DAAM1
Protein Characteristics:	AA 1-1077
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAAM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence: MAPRKRGGRG ISFIFCCFRN NDHPEITYRL RNDSNFALQT MEPALPMPV EELDVMFSEL  
 VDELDLTDKH REAMFALPAE KKWQIYCSKK KDQENKAT SWPEFYIDQL NSMAARKSLL  
 ALEKEEEEEER SKTIESLKTA LRTKPMRFVT RFIDLDGLSC ILNFLKTM DY ETSESRIHTS  
 LIGCIKALMN NSQGRAHVLA HSESINVIAQ SLSTENIKTK VAVLEILGAV CLVPGGHKKV  
 LQAMLHYQKY ASERTRFQTL INDLKSTGR YRDEVSLKTA IMSFINAVLS QGAGVESLDF  
 RLHLRYEFLM LGIQVIDKL REHENSTLDR HLDFFEMLRN EDELEFAKRF ELVHIDTKSA  
 TQMFELTRRR LTHSEAYPHF MSILHHCLQM PYKRSGNTVQ YWLLLDRIIQ QIVIQNDKGQ  
 DPDSTLENF NIKNVVRLV NENEVKQWKE QAEKMRKEHN ELQKLEKKE RECDAKTQEK  
 EEMMQLNKM KEKLEKETTE HKQVKQVAD LTAQLHELNR RAVCAAVPGG PSPGAPGGPF  
 PSSGLGSLLP PPPPPLSGG ALPPPPPLP PGGPPPPPGP PPLGGVLPPP GAPVSLTLKK  
 KNIPQPTNAL KSFNWSKLPE NKLDGTWTE IDDTKVKIL DLEDLERTFS AYQRQEFFV  
 NNSKQKEADA IDDTLSSKLVKELSVIDGR RAQNCNILLS RLKLSNDEIK RAILTMDEQE

DLPKDMLEQL LKFVPEKSDI DLLEEHHKHEL DRMAKADRFL FEMSRINHYQ QRLQSLYFKK  
KFAERVAEVK PKVEAIRSGS EEVFRSRALK QLLEVVLAFG NYMNGKQQRGN AYGFKISLN  
KIADTKSSID KNITLLHYLI TIVENKYPKV LNLSEELRDI PQAQVNMTE LDKEISTLRS  
GLKAVETELE YQKSQPPQPG DKFVSVVSQF ITLASFSFSD VEDLLAEAKE LFTKAVKHFG  
EEAGKIQPDE FFGIFDQLQ AVAEAKQENE NMRKRKEEEE RRARLEAQLK EQRERERKVR  
KAKESSEESG EFDDLVSALR SGEVFDKDLK KLKRNKRKRIS NQVTSSRER PITKLN

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Daam1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

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### Purification:

Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

## Product Details

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Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

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Target:	DAAM1
Alternative Name:	Daam1 ( <a href="#">DAAM1 Products</a> )
Background:	Binds to disheveled (Dvl) and Rho, and mediates Wnt-induced Dvl-Rho complex formation. May play a role as a scaffolding protein to recruit Rho-GDP and Rho-GEF, thereby enhancing Rho-GTP formation. Can direct nucleation and elongation of new actin filaments (By similarity). {ECO:0000250}.
Molecular Weight:	124.3 kDa Including tag.
UniProt:	<a href="#">Q8BPM0</a>
Pathways:	<a href="#">WNT Signaling</a>

## Application Details

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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.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.

## Handling

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Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: Unlimited (if stored properly)

## Images

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**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process