

Datasheet for ABIN3136009  
**MADD Protein (AA 2-1577) (His tag)**



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Overview

Quantity:	1 mg
Target:	MADD
Protein Characteristics:	AA 2-1577
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MADD protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys), ELISA

Product Details

Sequence:	VQKKFCPRLL DYLVIVGARH PSSDSVAQTP ELLRRYPLED HPEFPLPPDV VFFCQPEGCL SVRQRMSLR DDTSFVFTLT DKDTGVTRYG ICVNFYRSFQ KRMPKEKVEG GAGPRGKEGA HTSGASEEAA TGSSESGSTL QPPSADSTPD INQSPWGKRR AKAGSRSRNS TLTSCLVLSH YPPFSTFREC LYTLKRLVDC CSERLLGKKL GIPRGVQRDT MWRIFTGSLL VEEKSSALLQ DLREIEAWIY RLLRSPVPVS GQKRVDIEVL PQELQQALTF ALPDPSRFTL VDFPLHLPLE LLGVDAQLQV LTCILLEHKV VLQSRDYNAL SMSVMAFVAM IYPLEYMFPV IPLLPCTCMAS AEQLLLAPTP YIIGVPASFF LYKLDFKMPD DVWLVDLDSN RVIAPTNAEV LPILPEPESL ELKKHLKQAL ASMSLNTQPI LNLEKFHEGQ EIPLLLGRPS NDLQSTPSTE FNPLIYGNDV DSVDVATRVA MVRFFNSANV LQGFQMHTRT LRLFPRPVVA FQAGSFLASR PRQTPFAEKL ARTQAVEYFG EWILNPSNYA FQRIHNNTFD PALIGDKPKW YAHQLQPIHY RYVDGNSQLA EALSVPPERD SDSDPTEDSG SDSQDYDDSS SSYSSLGDFV SEMMKCDING DTPNVDPPLTH AALGDASEVE IDELQPQKEG EEPGPDSSENS QENPPLRSSS STTASSSPST VVHSAHSEAA
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DSTEMGDKAT AGISKPLPPV PPSICKSTVD RRQTETGEGS VCQRTYDNPY FEPQYGFPE  
EDEEEQGESY TPRFSQHVSG SRAQKLLRPN SLKLASDSA ESDSRASSPN STVSNNSTEG  
FGGIMSFASS LYRNHSTSFS LSNLTLPKKG AREKTTPFPS LKVFGLNTLM EIVTEAGPGS  
GEGNRRALVD QKSSVIKHSP TVKREPSSPQ GRSSNSENQ QFLKEVHSV LDGQGVGWLN  
MKKVRRLLES EQLRVFVLSK LNRAVQSEDD ARQDVIQDVE ISRKVYKGML DLLKCTVLSL  
EQSYAHAGLG GMASIFGLLE IAQTHYYSKE PDKRKRSPT E NVNTPVGKDP GLAGRGPKA  
MAQLRVPQLG PRAPSATGKG PKELDTRSLK EENFVASVEL WNKHQEVKKQ KALEKQRPEG  
IKPVFDLGET EEKKSQMSAD SGVSLTSASQ RTDQDSVIGV SPAVMIRSSS QDSEVSTVSN  
SSGETLGADS DLSSNAGDGP GGECSAHLAS SRATLSDSEI ETNSATSAIF GKAHSLKPKE  
KPAGSPIRSS EDVSQRVYLY EGLLGRDKGS MWDQLEDAAM ETFSLKERS TLWDQMWFWE  
DAFLDAVMLE REGMGMDQGP QEMIDRYLSL GEHDRKRLED DEDRLLATLL HNLISYMLLM  
KVNKNDIRKK VRRLMGKSHI GLVYSQQVNE VLDQLNSLNG RDLSIRSSGS RHMKKQTFV  
HAGTDTNGDI FFMEVCDDCV VLRSNIGTVY ERWWYEKLIN MTYCPKTKVL CLWRRNGSET  
QLNKFYTKKC RELYYCVKDS MERAARQQS IKPGPELGGE FPVQDMKTGE GGLLQVTLEG  
INLKFMHNQF LKLKKW

**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 Madd 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

## Product Details

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.

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.
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

Target:	MADD
Alternative Name:	Madd ( <a href="#">MADD Products</a> )
Background:	Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms. Component of the TNFRSF1A signaling complex: MADD links TNFRSF1A with MAP kinase activation. Plays an important regulatory role in physiological cell death (TNF- $\alpha$ -induced, caspase-mediated apoptosis). {ECO:0000269 PubMed:14735464, ECO:0000269 PubMed:15007167}.
Molecular Weight:	176.0 kDa Including tag.
UniProt:	<a href="#">Q80U28</a>
Pathways:	<a href="#">Caspase Cascade in Apoptosis</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.
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## Application Details

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.
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Restrictions:	For Research Use only
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## Handling

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.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)