

Datasheet for ABIN3093738

MADD Protein (AA 2-1647) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MADD
Protein Characteristics:	AA 2-1647
Origin:	Human
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:	<p>VQKKKFCPRL LDYLVIVGAR HPSSDSVAQT PELLRRYPLE DHTEFPLPPD VVFFCQPEGC</p> <p>LSVRQRMSL RDDTSFVFTL TDKDTGVTRY GICVNFYRSF QKRISKEKGE GGAGSRGKEG</p> <p>THATCASEEG GTESSESGSS LQPLSADSTP DVNQSPRGKR RAKAGSRSRN STLTSLCVLS</p> <p>HYPFFSTFRE CLYTLKRLVD CCSERLLGKK LGIPRGVQRD TMWRIFTGSL LVEEKSSALL</p> <p>HDLREIAWI YRLLRSPVPV SGQKRVDIEV LPQELQPALT FALPDPSRFT LVDFPLHLPL</p> <p>ELLGVDACLQ VLTCLLEHK VVLQSRDYNA LMSVMAFVA MIYPLEYMFP VIPLLPCTMA</p> <p>SAEQLLAPT PYIIGVPASF FLYKLDFKMP DDVWLVDLDS NRVIAPTNAE VLPILPEPES</p> <p>LELKKHLKQA LASMSLNTQP ILNLEKFHEG QEIPLLLGRP SNDLQSTPST EFNPLIYGND</p> <p>VDSVDVATRV AMVRFFNSAN VLQGFQMHTR TLRLFPRPVV AFQAGSFLAS RPRQTPFAEK</p> <p>LARTQAVEYF GEWILNPTNY AFQRIHNNMF DPALIGDKPK WYAHQLQPIH YRVYDSNSQL</p> <p>AEALSVPPER DSDSEPTDDS GSDSMDYDDS SSSYSSLGDF VSEMMKCDIN GDTPNVDPLT</p> <p>HAALGDASEV EIDELQNKKE AEEPGPDSEN SQENPPLRSS SSTTASSSPS TVIHGANSEP</p>
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ADSTEMDDKA AVGVSKPLPS VPPSIGKSNV DRRQAEIGEG SVRRRIYDNP YFEPQYGFPP
EEDEDEQGES YTPRFSQHVS GNRAQKLLRP NSLRLASDSD AESDSRASSP NSTVSNTSTE
GFGGIMSFAS SLYRNHSTSF SLSNLTLPK GAREKATPFP SLKVFGNLTL MEIVTEAGPG
SGEGNRRALV DQKSSVIKHS PTVKREPPSP QGRSSNSEN QQFLKEVVHS VLDGQGVGWL
NMKKVRRLE SEQLRVFVLS KLNRMVQSED DARQDIIPDV EISRKVYKGM LDLLKCTVLS
LEQSYAHAGL GGMASIFGLL EIAQTHYYSK EPDKRKRSP ESNTPTVGKD PGLAGRGPDK
AMAQLRVPQL GPRAPSATGK GPKELDTRSL KEENFIASIE LWNKHQEVKK QKALEKQRPE
VIKPVFDLGE TEEKKSQISA DSGVSLTSSS QRTDQDSVIG VSPAVMIRSS SQDSEVSTVV
SNSSGETLGA DSDLSSNAGD GPGGEGSVHL ASSRGTLSDS EIETNSATST IFGKAHSLKP
SIKEKLAGSP IRTSEDVSQR VVLYEGLLGR DKGSMWDQLE DAAMETFSIS KERSTLWDQM
QFWEDAFLDA VMLEREGMGD DQGPQEMIDR YLSLGEHDK RLEDDERLL ATLLHNLISY
MLLMKVNKND IRKKVRRIMG KSHIGLVYSQ QINEVLDQLA NLNGRDLSIW SSGSRHMKKQ
TFVHAGTDT NGDIFFMEVC DDCVVLRSNI GTVYERWWYE KLINMTYCPK TKVLCLWRRN
GSETQLNKFY TKKCRELYYC VKDSMERAAA RQSIKPGPE LGGEFPVQDL KTGEGLLQV
TLEGINLKFM HNQVFIELNH IKKCNTVRGV FVLEEFVPEI KEVVSCHKYT PMAHEICYSV
LCLFSYVAHV HSSEEDLRTP PRPVSS

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

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human 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.

Product Details

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 Exspasy'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 (MADD Products)
Background:	Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Isoform 5 shows increased cell proliferation and isoform 2 shows decreased. 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), isoform 1 is susceptible to inducing apoptosis, isoform 5 is resistant and isoform 3 and isoform 4 have no effect. {ECO:0000269 PubMed:11577081, ECO:0000269 PubMed:14716293, ECO:0000269 PubMed:14735464, ECO:0000269 PubMed:15007167, ECO:0000269 PubMed:20937701, ECO:0000269 PubMed:9115275}.
Molecular Weight:	184.1 kDa Including tag.
UniProt:	Q8WYG6
Pathways:	Caspase Cascade in Apoptosis

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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Comment:	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
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Buffer:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)
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