

Datasheet for ABIN3089607

**ADAMTS9 Protein (AA 288-1935) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 mg
Target:	ADAMTS9
Protein Characteristics:	AA 288-1935
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADAMTS9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys), ELISA

## Product Details

Sequence:	FLSYPRFVEV LVVADNRMVS YHGENLQHYI LTLMSIVASI YKDPSIGNLI NIVIVNLVI HNEQDGPSIS FNAQTTLKNF CQWQHASKNSP GGIHHD TAVL LTRQDICRAH DKCDTLGLAE LGTICDPYRS CSISED SGLS TAFTIAHEL G HVFNMPHDDN NKCKEEGVKS PQHVMAPTLN FYTNPWMWSK CSRKYITEFL DTGYGECLLN EPESRPYPLP VQLPGILYNV NKQCELI FGP GSQVCPYMMQ CRRLWCNNVN GVHKGCR TQH TPWADGTECE PGKHCKYGFC VPKEMDVPVT DGSWGSWSPF GTCSR TCGGG IKTAIRECNR PEPKNGGKYC VGRRMKFKSC NTEPCLKQKR DFRDEQCAHF DGKHFNINGL LPNVRWVPKY SGILMKDRCK LFCRVAGNTA YYQLRDRVID GTPCGQDTND ICVQGLCRQA GCDHVLNSKA RRDKCGVCGG DNSSCKTVAG TFNTVHYGYN TVVRIPAGAT NIDVRQHSFS GETDDDN YLA LSSSKGEFLL NGNFVVTMAK REIRIGNAVV EYSGSETAVE RINSTDRIEQ ELLQVL SVG KLYNPDV RYS FNIPIEDKPQ QFYWN SHGPW QACSKPCQGE RKRKL VCTRE SDQLTVSDQR CDRLPQPGHI TPCGTDCDL RWHVASRSEC SAQCGLGYRT LDIYCAKYSR LDGKTEKVDD GFCSSHPKPS NREKCSGECN TGGWRYSAWT
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ESKSCDGGT QRRRAICVNT RNDVLDDSKC THQEKVTIQR CSEFPCPQWK SGDWSECLVT  
CGKGHKHRQV WCQFGEDRLN DRMCDPETKP TSMQTCQPE CASWQAGPWG QCSVTCGQGY  
QLRAVKCIIG TYMSVDDND CNAATRPTDT QDCELPSCHP PPAAPETRRS TYSAPRTQWR  
FGSWTPCSAT CGKGTRMRYV SCRDENGSVA DESACATLPR PVAKEECSVT PCGQWKALDW  
SSCSVTCGQG RATRQVMCVN YSDHVIDRSE CDQDYIPETD QDCSMSPCPQ RTPDSGLAQH  
PFQNEDYRPR SASPSRTHVL GGNQWRTGPW GACSSTCAGG SQRRVVVCQD ENGYTANDCV  
ERIKPDEQRA CESGPCPQWA YGNWGECKL CGGGIRTRLV VCQRSNGERF PDLSCIELDK  
PPDREQCNTH ACPHDAAWST GPWSSCSVSC GRGHKQRNVY CMAKDGSLE SDYCKHLAKP  
HGHRKCRGGR CPKWKAGAWS QCSVSCGRGV QQRHVGCQIG THKIARETEC NPYTRPESER  
DCQGPRCPY TWRAEEWQEC TKTCGEGSRY RKVVCVDDNK NEVHGARCDV SKRPVDRESC  
SLQPCEYVWI TGEWSECSVT CGKGYKQLV SCSEIYTKE NYEYSYQTTI NCPGTQPPSV  
HPCYLRCVP SATWRVGNWG SCSVSCGVGV MQRSVQCLTN EDQPSHLCHT DLKPEERKTC  
RNVYNCELPQ NCKEVKRLKG ASEDGEYFLM IRGKLLKIFC AGMHSDHPKE YVTLVHGDSE  
NFSEVYGHRL HNPTECPYNG SRRDDCQCRK DYTAAGFSSF QKIRIDL TSM QIITDLQFA  
RTSEGHPVPF ATAGDCYSAA KCPQGRFSIN LYGTGLSLTE SARWISQGNV AVSDIKKSPD  
GTRVVGKCGG YCGKCTPSSG TGLEVRVL

**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.
- Human ADAMTS9 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 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:	ADAMTS9
Alternative Name:	ADAMTS9 ( <a href="#">ADAMTS9 Products</a> )
Background:	Cleaves the large aggregating proteoglycans, aggrecan and versican. Has a protease-independent function in promoting the transport from the endoplasmic reticulum to the Golgi apparatus of a variety of secretory cargos. {ECO:0000269 PubMed:12514189, ECO:0000269 PubMed:22419820}.
Molecular Weight:	185.1 kDa Including tag.
UniProt:	<a href="#">Q9P2N4</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.
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

## Application Details

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

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)

## Images



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