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Datasheet for ABIN3090713

## CDH19 Protein (AA 44-596) (MBP tag)

### 2 Images

#### Overview

Quantity:	1 mg
Target:	CDH19
Protein Characteristics:	AA 44-596
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDH19 protein is labelled with MBP tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

#### Product Details

Sequence: GWVWNQFFVP EEMNTTSHHI GQLRSDLDNG NNSFQYKLLG AGAGSTFIID ERTGDIYAIQ  
 KLDREERSLY ILRAQVIDIA TGRAVEPESE FVIKVSIND NEPKFLDEPY EAIVPEMSPE  
 GTLVIQVTAS DADDPSSGNN ARLLYSLLQG QPYFSVEPTT GVIRISSKMD RELQDEYWVI  
 IQAKDMIGQP GALSGTTSVL IKLSDVNDNK PIFKESLYRL TVSESAPTGT SIGTIMAYDN  
 DIGENAEMDY SIEEDDSQTF DIITNHETQE GIVILKKKVD FEHQNHYGIR AKVKNHHVPE  
 QLMKYHTEAS TTFIKIQVED VDEPPLFLP YVFEVFEET PQGSFVGVS ATDPDNRKSP  
 IRYSITRSKV FNINDNGTIT TSNLDREIS AWYNLSITAT EKYNIEQISS IPLVQVLNI NDHAPEFSQY  
 YETYVCENAG SGQVIQTISA VDRDESIEEH HFYFNLSVED TNNSSFTIID NQDNTAVILT  
 NRTGFNLQEE PVFYISILIA DNGIPSLTST NTLTIHVDCD GDSGSTQTCQ YQELVLSMGF KTE

#### Sequence without tag.

- Characteristics:
- Made in Germany - from design to production - by highly experienced protein experts.
  - Human CDH19 Protein (raised in Insect Cells) purified by multi-step, protein-specific process

## Product Details

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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:	The protein is purified from the cleared cell lysate using MBP capture materials. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions are subjected to a 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

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## Target Details

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Target:	CDH19
Alternative Name:	CDH19 ( <a href="#">CDH19 Products</a> )
Background:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the

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## Target Details

sorting of heterogeneous cell types.

Molecular Weight: 63.1 kDa Including tag.

UniProt: [Q9H159](#)

## 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: N-terminal MBP-Tag

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: in solution (20 mM Hepes, pH 7.4, 5 mM NaCl)

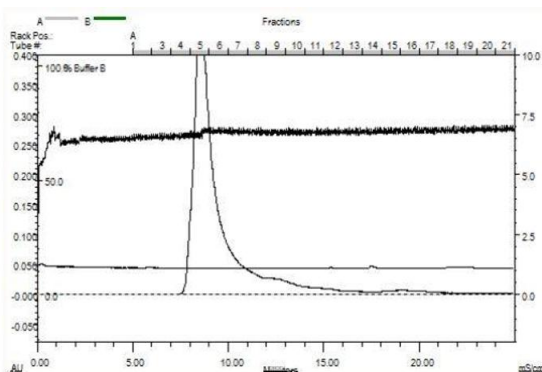
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

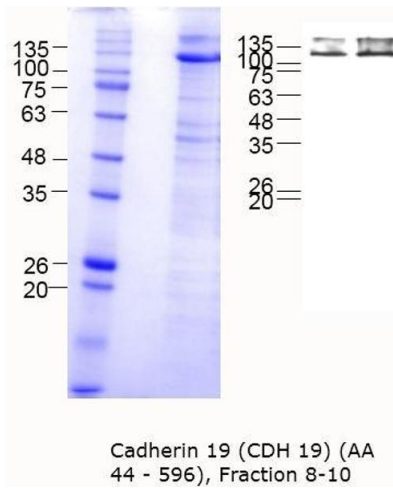
Expiry Date: Unlimited (if stored properly)

## Images



Cadherin 19 (CDH 19) (AA 44 - 596), gel filtration Superose 6, fraction 8-10

Image 1.



**Western Blotting**

**Image 2.**