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CDH22 Protein (AA 35-624) (MBP tag)





Overview

Quantity:	1 mg
Target:	CDH22
Protein Characteristics:	AA 35-624
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDH22 protein is labelled with MBP tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:

RLWAAGTPSPS APGARQDGAL GAGRVKRGWV WNQFFVVEEY TGTEPLYVGK IHSDSDEGDG
AIKYTISGEG AGTIFLIDEL TGDIHAMERL DREQKTFYTL RAQARDRATN RLLEPESEFI
IKVQDINDSE PRFLHGPYIG SVAELSPTGT SVMQVMASDA DDPTYGSSAR LVYSVLDGEH
HFTVDPKTGV IRTAVPDLDR ESQERYEVVI QATDMAGQLG GLSGSTTVTI VVTDVNDNPP
RFPQKMYQFS IQESAPIGTA VGRVKAEDSD VGENTDMTYH LKDESSSGGD VFKVTTDSDT
QEAIIVVQKR LDFESQPVHT VILEALNKFV DPRFADLGTF RDQAIVRVAV TDVDEPPEFR
PPSGLLEVQE DAQVGSLVGV VTARDPDAAN RPVRYAIDRE SDLDQIFDID ADTGAIVTGK
GLDRETAGWH NITVLAMEAD NHAQLSRASL RIRILDVNDN PPELATPYEA AVCEDAKPGQ
LIQTISVVDR DEPQGGHRFY FRLVPEAPSN PHFSLLDIQD NTAAVHTQHV GFNRQEQDVF
FLPILVVDSG PPTLSSTGTL TIRICGCDSS GTIQSCNTTA FVMAASLSP

Sequence without tag.

Product Details

Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- Human CDH22 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 receival 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.

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

Target Details

Target: CDH22

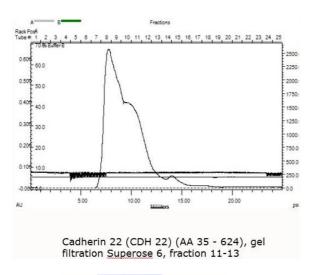
Alternative Name: CDH22 (CDH22 Products)

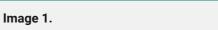
Target Details

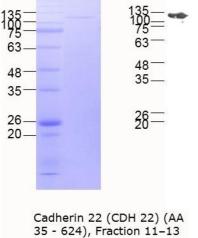
Expiry Date:

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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 sorting of heterogeneous cell types. PB-cadherins may have a role in the morphological organization of pituitary gland and brain tissues (By similarity). {ECO:0000250}.
Molecular Weight:	65.1 kDa Including tag.
UniProt:	Q9UJ99
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 gurantee 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.

Unlimited (if stored properly)







Western Blotting

Image 2.