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Datasheet for ABIN7553394

Claudin 4 Protein (CLDN4) (AA 1-209) (His tag)

Overview

Quantity:	1 mg
Target:	Claudin 4 (CLDN4)
Protein Characteristics:	AA 1-209
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CLDN4 Protein expressed in mammalian cells.
Sequence:	MASMGLQVMG IALAVLGWLA VMLCCALPMW RVTAFIGSNI VTSQTIWEGL WMNCVVQSTG QMQCKVYDSL LALPQDLQAA RALVIISIIV AALGVLLSVV GKGCTNCLED ESAKAKTMIV AGVVFLLAGL MVIVPVSMTA HNIIQDFYNP LVASGQKREM GASLYVGWAA SGLLLLGGGL LCCNCPPTD KPYSAKYSAA RSAAASNYV Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Claudin 4 (CLDN4)
Alternative Name:	CLDN4 (CLDN4 Products)
Background:	Claudin-4 (Clostridium perfringens enterotoxin receptor) (CPE-R) (CPE-receptor) (Williams-Beuren syndrome chromosomal region 8 protein),FUNCTION: Channel-forming tight junction protein that mediates paracellular chloride transport in the kidney. Plays a critical role in the paracellular reabsorption of filtered chloride in the kidney collecting ducts. Claudins play a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. {ECO:0000250 UniProtKB:O35054}.
Molecular Weight:	22.1 kDa
UniProt:	O14493
Pathways:	Hepatitis C

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months