

[Go to Product page](#)

Datasheet for ABIN7560286

**Claudin 16 Protein (CLDN16) (AA 1-235) (His tag)**

## Overview

Quantity:	1 mg
Target:	Claudin 16 (CLDN16)
Protein Characteristics:	AA 1-235
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 16 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cldn16 Protein expressed in mammalian cells.
Sequence:	MKDLLQYAAC FLAIFSTGFL IVATWTDCWM VNADDSLEVS TKCRGLWWEC VTNAFDGIRT CDEYDSIYAE HPLKLVVTRA LMITADILAG FGFITLLLGL DCVKFLPDDP QIKVRLCFVA GTTLLIAGTP GIGSVWYAV DVYVERSSLV LHNIFLGIQY KFGWSCWLG M AGSLGCFLAG ALLTCCLYLF KDVGPERNYP YAMRKPYSTA GVSMASYSYKA PRTEAKMYA VDTRV <b>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.</b>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

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Target: Claudin 16 (CLDN16)

Alternative Name: Cldn16 ([CLDN16 Products](#))

Background: Claudin-16 (Paracellin-1),FUNCTION: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Involved in paracellular magnesium reabsorption. Required for a selective paracellular conductance. May form, alone or in partnership with other constituents, an intercellular pore permitting paracellular passage of magnesium and calcium ions down their electrochemical gradients. Alternatively, it could be a sensor of magnesium concentration that could alter paracellular permeability mediated by other factors (By similarity). {ECO:0000250}.

Molecular Weight: 26.1 kDa

UniProt: [Q925N4](#)

Pathways: [Hepatitis C](#)

## Application Details

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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.

## Application Details

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Restrictions: For Research Use only

## Handling

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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