

Datasheet for ABIN7556355
CLDN10 Protein (AA 1-231) (His tag)



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Overview

Quantity:	1 mg
Target:	CLDN10
Protein Characteristics:	AA 1-231
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLDN10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cldn10 Protein expressed in mammalien cells.
Sequence:	MASTALEIVA FVVISIGWVL VSSTLPTDYW KVSTIDGTVI TTATYFANLW KICVTDSTGV ANCKEFP SML ALDGYIQACR GLMIAAVSLG FFGSIFALFG MKCTKVGGS D QAKAKIACLA GIVFILSGLC SMTGC SLYAN KITTEFFDPL YMEQKYELGA ALFIGWAGAS LCIIGGVIFC FSISDNNKTP RMGYTYNGPT SAMSSRTKYQ GGEGDFKTTG PSKQFDKNAY V 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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: CLDN10

Alternative Name: Cldn10 ([CLDN10 Products](#))

Background: Claudin-10,FUNCTION: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Involved in the regulation of paracellular epithelia permeability to ions in multiple organs. It acts as a paracellular ion channel probably forming permselective pores, isoform 1 appears to create pores preferentially permeable to cations and isoform 2 for anions. In sweat glands and in the thick ascending limb (TAL) of Henle's loop in kidney, it controls paracellular sodium permeability which is essential for proper sweat production and renal function.
{ECO:0000250|UniProtKB:P78369, ECO:0000269|PubMed:16804102, ECO:0000269|PubMed:19383724, ECO:0000269|PubMed:22891322}.

Molecular Weight: 24.7 kDa

UniProt: [Q9Z0S6](#)

Pathways: [Hepatitis C](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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
