

Datasheet for ABIN7556354

Claudin 15 Protein (CLDN15) (AA 1-227) (His tag)



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Overview

Quantity:	1 mg
Target:	Claudin 15 (CLDN15)
Protein Characteristics:	AA 1-227
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Claudin 15 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cldn15 Protein expressed in mammalian cells.
Sequence:	<p>MSVAVETFGF FMSALGLLML GLTLSNSYWR VSTVHGNVIT TNTIFENLWY SCATDSLGVS</p> <p>NCWDFPSMLA LSGYVQGCRA LMITAILLGF LGLFLGMVGL RCTNVGNMDL SKKAKLLAIA</p> <p>GTLHILAGAC GMVAISWYAV NITTDFFNPL YAGTKYELGP ALYLGWSASL LSILGGICVF</p> <p>STCCCSSKEE PATRAGLPYK PSTVVIPRAT SDESISFGK YGKNAYV 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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian 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
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Grade:	custom-made
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Target Details

Target:	Claudin 15 (CLDN15)
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Alternative Name:	Cldn15 (CLDN15 Products)
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Background:	Claudin-15,FUNCTION: Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members function as impermeable barriers, others mediate the permeability to ions and small molecules. Often, several claudin family members are coexpressed and interact with each other, and this determines the overall permeability. CLDN15 forms tight junctions that mediate the paracellular transport of small monovalent cations along a concentration gradient, due to selective permeability for Na(+), Li(+) and K(+) ions, but selects against Cl(-) ions. Plays an important role in paracellular Na(+) transport in the intestine and in Na(+) homeostasis. Required for normal Na(+)-dependent intestinal nutrient uptake. {ECO:0000269 PubMed:18242218, ECO:0000269 PubMed:20727355, ECO:0000269 PubMed:23089202}.
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Molecular Weight:	24.3 kDa
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UniProt:	Q9Z0S5
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Pathways:	Cell-Cell Junction Organization , Hepatitis C
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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.
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Restrictions:	For Research Use only
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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