Datasheet for ABIN7491596

Claudin 2 Protein (CLDN2)

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Overview

Quantity:	100 µg
Target:	Claudin 2 (CLDN2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

Product Details

Purpose:	Human CLDN2 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

Target Details

Target:	Claudin 2 (CLDN2)
Alternative Name:	CLDN2 (CLDN2 Products)
Background:	OAZON Description: This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]
Molecular Weight:	The human full length CLDN2 protein has a MW of 25 kDa

Target Details

UniProt:	P57739
Pathways:	Hepatitis C

Application Details

Application Notes:	• Applications for VLPs: • ELISA • SPR affinity analysis • Phage display screening • Immunization • Cell based assays • CAR-T cell screening • Protein cystal structure analysis
Comment:	Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months