

[Go to Product page](#)

## Datasheet for ABIN7491604 Claudin 6 Protein (CLDN6)

### Overview

Quantity:	100 µg
Target:	Claudin 6 (CLDN6)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

### Product Details

Purpose:	Human CLDN6 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

### Target Details

Target:	Claudin 6 (CLDN6)
Alternative Name:	CLDN6 ( <a href="#">CLDN6 Products</a> )
Background:	<p>Claudin 6, Claudin-6, Skullin, Claudin6</p> <p>Description: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This</p>

## Target Details

	gene is adjacent to another family member CLDN9 on chromosome 16.
Molecular Weight:	The human full length CLDN6 Protein has a MW of 23 kDa
UniProt:	<a href="#">P56747</a>
Pathways:	<a href="#">Hepatitis C</a>

## Application Details

Application Notes:	<ul style="list-style-type: none"><li>• Applications for VLPs:</li><li>• ELISA</li><li>• SPR affinity analysis</li><li>• Phage display screening</li><li>• Immunization</li><li>• Cell based assays</li><li>• CAR-T cell screening</li><li>• Protein crystal structure analysis</li></ul>
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