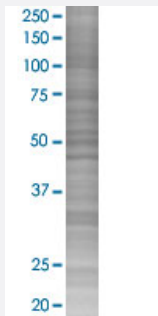


# CLDN1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009076-T02

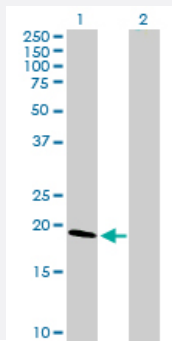
Size 100 uL

## Applications



### SDS-PAGE Gel

CLDN1 transfected lysate.



### Western Blot

Lane 1: CLDN1 transfected lysate ( 22.70 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-CLDN1 full-length
Host	Human
Theoretical MW (kDa)	22.7
Interspecies Antigen Sequence	Mouse (90); Rat (90)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-CLDN1 antibody ([H00009076-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
CLDN1 transfected lysate.  
Western Blot  
Lane 1: CLDN1 transfected lysate ( 22.70 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — CLDN1

**Entrez GeneID**[9076](#)**GeneBank Accession#**[NM\\_021101.3](#)**Protein Accession#**[NP\\_066924.1](#)**Gene Name**

CLDN1

**Gene Alias**

CLD1, ILVASC, SEMP1

**Gene Description**

claudin 1

**Omim ID**[603718 607626](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq]

**Other Designations**

senescence-associated epithelial membrane protein 1

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Tight junction](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Substance Abuse](#)
- [Tobacco Use Disorder](#)