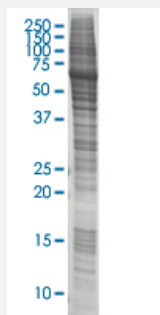


# CLDN1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L037T6

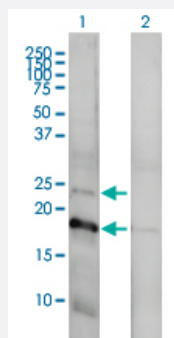
Size 100 ug

## Applications



### SDS-PAGE Gel

CLDN1 transfected lysate



### Western Blot

Lane 1: CLDN1 transfected lysate ( 23 KDa).

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-CLDN1 full length
Host	Human
Theoretical MW (kDa)	23
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-CLDN1 antibody ([H00009076-M01](#)) by Western Blots.  
SDS-PAGE Gel  
CLDN1 transfected lysate  
Western Blot  
Lane 1: CLDN1 transfected lysate ( 23 KDa).  
Lane 2: Non-transfected lysate.

**Recommend Usage**

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

**Storage Buffer**

In modified RIPA Lysis Buffer.

**Storage Instruction**

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

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — CLDN1

Entrez GeneID

[9076](#)

GeneBank Accession#

[BC012471](#)

Protein Accession#

[AAH12471](#)

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](#)