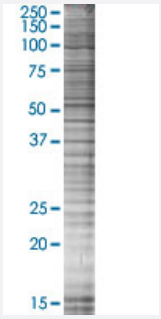
CLDN14 293T Cell Transient Overexpression Lysate(Denatured)

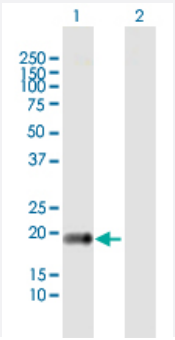
Catalog # H00023562-T02 Size 100 uL

Applications



SDS-PAGE Gel

CLDN14 transfected lysate.



Western Blot

Lane 1: CLDN14 transfected lysate (25.7 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CLDN14 full-length
Host	Human
Theoretical MW (kDa)	25.7
Interspecies Antigen Sequence	Mouse (93); Rat (93)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-GFI1 antibody (H00023562-D01) by Western Blots. SDS-PAGE Gel CLDN14 transfected lysate. Western Blot Lane 1: CLDN14 transfected lysate (25.7 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 — CLDN14

Entrez GeneID	23562
GeneBank Accession#	NM_012130.2
Protein Accession#	NP_036262.1
Gene Name	CLDN14
Gene Alias	DFNB29
Gene Description	claudin 14
Omim ID	605608
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. The encoded protein also binds specifically to the WW domain of Yes-associated protein. Defects in this gene are the cause of an autosomal recessive form of nonsyndromic sensorineural deafness. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq

Other Designations	OTTHUMP00000109045|OTTHUMP00000109046|OTTHUMP00000109047|OTTHUMP00000109048|OTTHUMP00000109049

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Tight junction

Disease

- Genetic Predisposition to Disease
- Hearing Loss
- Kidney Calculi
- Tobacco Use Disorder