

Recombinant Human CLDN5 293 Cell Lysate

Cat. No. CLDN5-7461HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for claudin 5 (CLDN5), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [CLDN5 claudin 5 \[Homo sapiens \]](#)

Official Symbol CLDN5

Synonyms CLDN5; claudin 5; AWAL, TMVCF, transmembrane protein deleted in velocardiofacial syndrome; claudin-5; BEC1; CPETRL1; TMDVCF; transmembrane protein deleted in VCFS; transmembrane protein deleted in velocardiofacial syndrome; AWAL; TMVCF;

Gene ID [7122](#)

mRNA Refseq [NM_001130861](#)

Protein Refseq [NP_001124333](#)

MIM [602101](#)

UniProt ID [O00501](#)

Chromosome Location 22q11.21

Pathway Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Diurnally regulated genes with

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circadian orthologs, organism-specific biosystem; Hepatitis C, organism-specific biosystem;

Function

identical protein binding; structural molecule activity;

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