

Recombinant Human CLDN4

Cat. No. CLDN4-27272TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Claudin 4 with N terminal proprietary tag; Predicted MWt 48.73 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	209 amino acids
Description	This gene encodes an integral membrane protein, which belongs to the claudin family. The protein is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.
Molecular Weight	48.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	MASMG LQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNI VTSQTIWEGLWMNCV VQSTGQMCKVYDSLALPQDLQAA RALVIISIIVAALGVLLSVVGGKCTNCLEDESA KAKTMIV AGVVFLLAGLMVIVPVSWTAHNIIQDFYNPLVASGQKREM GASLYVGWA ASG LLLGGLLCCNCPRTDKPYS AKYSAA RSAAASNYV
Sequence Similarities	Belongs to the claudin family.
GENE INFORMATION	
Gene Name	CLDN4 claudin 4 [Homo sapiens]
Official Symbol	CLDN4
Synonyms	CLDN4; claudin 4; CPETR, CPETR1; claudin-4; Clostridium perfringens enterotoxin receptor 1; CPE R; hCPE R; WBSCR8; Williams Beuren syndrome chromosomal region 8 protein;
Gene ID	1364
mRNA Refseq	NM_001305
Protein Refseq	NP_001296
MIM	602909
Uniprot ID	O14493
Chromosome Location	7q11.23
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion

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molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;

Function

identical protein binding; structural molecule activity; transmembrane signaling receptor activity;

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