

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: 8.00 Constituents: 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 AGVVFLLAGLMVIVPVSHTAHNIIQDFYNPLVASGQKREM 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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