

Recombinant Human CLDN4

Cat. No. CLDN4-26708TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Claudin 4 (amino acids 29-78) with proprietary tag, 31.13kDa.
Species	Human
Source	Wheat Germ
ProteinLength	50 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	31.130kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids MWRVTAFIGSNIVTSQTIWEGLWMNCVVQSTGQMCKVYDSSLALPQDLQ

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

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junction organization, organism-specific biosystem;

Function

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

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