

Recombinant Human CLDN4 Protein, Myc/DDK-tagged

Cat. No. CLDN4-150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human claudin 4 (CLDN4) with a Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) 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 Mass	21.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

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Gene Name	CLDN4 claudin 4 [Homo sapiens (human)]
Official Symbol	CLDN4
Synonyms	CLDN4; claudin 4; CPER; CPE-R; CPETR; CPETR1; WBSCR8; hCPE-R; claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein
Gene ID	1364
mRNA Refseq	NM_001305
Protein Refseq	NP_001296
MIM	602909
UniProt ID	O14493

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