

Recombinant Full Length Human CLDN4 Protein, GST-tagged

Cat. No. CLDN4-2058HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN4 full-length ORF (AAH00671, 1 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	209 amino acids
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. [provided by RefSeq, Sep 2013]
Molecular Mass	48.73 kDa
AA Sequence	MASMG LQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIVTSQTIWEGLWMNCVV QSTGQMCKVYDSLALPQDLQAARALVIISIIVAALGVLLSVVGGKCTNCLEDESAK AKTMIVAGVVFLLAGLMVIVPVSWTAHNIIQDFYNPLVASGQKREMGASLYVGWAAS GLLLLGGGLCCNCPRTDKPYS AKYSAARSAAASNYV

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; CPE-receptor; Williams-Beuren syndrome chromosomal region 8 protein; CPER; CPE-R; CPETR; CPETR1; hCPE-R
Gene ID	1364
mRNA Refseq	NM_001305
Protein Refseq	NP_001296
MIM	602909
UniProt ID	O14493

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