

Recombinant Full Length Human CLDN3 Protein, GST-tagged

Cat. No. CLDN3-2055HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN3 full-length ORF (AAH16056, 1 a.a. - 220 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	220 amino acids
Description	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]
Molecular Mass	49.94 kDa
AA Sequence	MSMGLEITGTALAVLGWLGTIVCCALPMWRVSAFIGSNIITSQNIWEGLWMNCVVQS TGQMCKVYDSLALPQDLQAARALIVVAILLAFFGLLVALVGAQCTNCVQDDTAKA KITIVAGVLFLLAALLTLVPVSWSSANTIIRDFYNPVPVPEAQKREMGAGLYVGWAAAAAL

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QLLGGALLCCSCPPREKKYTATKVVYSAPRSTGPGASLGTGYDRKDYV

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

CLDN3 claudin 3 [Homo sapiens]

Official Symbol

CLDN3

Synonyms

CLDN3; claudin 3; C7orf1, CPETR2; claudin-3; Clostridium perfringens enterotoxin receptor 2; CPE R2; CPE receptor 2; HRVP1; RVP1; ventral prostate.1 like protein; CPE-R 2; CPE-receptor 2; ventral prostate.1-like protein; ventral prostate.1 protein homolog; C7orf1; CPE-R2; CPETR2

Gene ID

1365

mRNA Refseq

NM_001306

Protein Refseq

NP_001297

MIM

602910

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UniProt ID

O15551

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