

Recombinant Full Length Human CLDN3 Protein, Flag tagged

Cat. No. CLDN3-1442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human claudin 3 (CLDN3), full length, with C-terminal Flag tag, expressed in HEK293T cells.
Species	Human
Source	HEK293T
ProteinLength	1-220 aa
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.
Molecular Mass	23.3 kDa
AASequence	MSMGLEITGTALAVLGWLGTIVCCALPMWRVSAFIGSNIITSQNIWEGGLWMNCVVQS TGQMQCKVYDSLLALPQDLQAARALIVVAILLAFFGLLVALVGAQCTNCVQDDTAKA KITIVAGVLFLLAALLTLVPVSW SANTII RDFYNPVVPEAQKREMGAGLYVGWAAAAL QLLGALLCCSCPPREKKYTATKVVYSAPRSTGPGASLGTGYDRKDYVTRTRPLEQ

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Storage Buffer	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
Concentration	> 50 µg/mL as determined by microplate Bradford method

GENE INFORMATION

Gene Name	CLDN3 claudin 3 [Homo sapiens (human)]
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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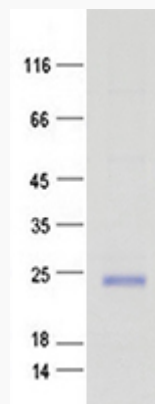
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UniProt ID

O15551

SDS-PAGE

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