Human CLDN3 Full-Length Bioactive Membrane Protein

HDFP059

Product Information

Product SKU:
HDFP059

Size:
10µg

Molecular Weight:
The human full length CLDN3 protein has a MW of 23.3 kDa

Expression System:
HEK293

Uniprot:
O15551

Target:
CLDN3

Antibody Information

Background:
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]

Description:
Human CLDN3 full length protein-synthetic nanodisc

Protein Family:
Druggable Genome, Transmembrane

Protein Pathways:
Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

Synonyms:
C7orf1; CPE-R2; CPETR2; HRVP1; RVP1

Storage:
Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Usage:
Research use only

Form:
Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

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