# Human CLDN7 Full-Length Bioactive Membrane Protein

**HDFP061**

## Product Information

**Product SKU:**
HDFP061

**Size:**
10µg

**Molecular Weight:**
The human full length CLDN7 protein has a MW of 22.9 kDa

**Expression System:**
HEK293

**Uniprot:**
O95471

**Target:**
CLDN7

## Antibody Information

**Background:**
This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc. . Alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, May 2010]

**Description:**
Human CLDN7 full length protein-synthetic nanodisc

**Protein Family:**
Transmembrane

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

**Synonyms:**
CEPTRL2; claudin-1; CLDN-7; CPETRL2; Hs.84359

**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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