HUMAN CLDN3 FULL LENGTH PROTEIN

Cat.#: 11059
Product Name: Human CLDN3 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: C7orf1; CPE-R2; CPETR2; HRVP1; RVP1
Target: CLDN3
UNIPROT ID: O15551
Description: Human CLDN3 full length protein-synthetic nanodisc
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]
Species/Host: HEK293
Molecular Weight: The human full length CLDN3 protein has a MW of 23.3 kDa
Formulation & Reconstitution: 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.
Storage & Shipping: 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

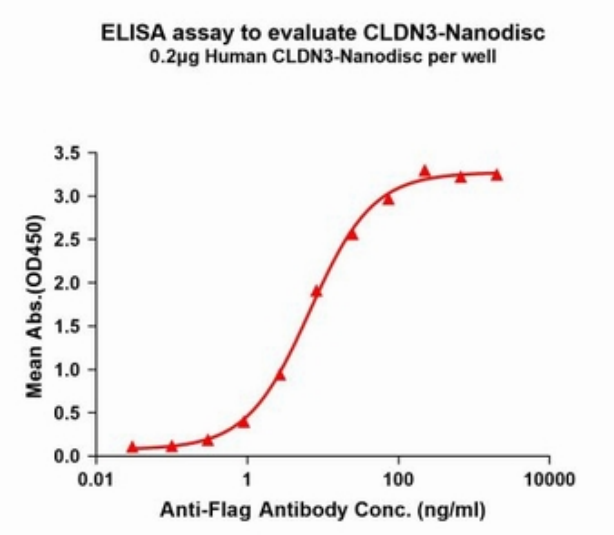

Figure1. Elisa plates were pre-coated with Flag Tag CLDN3-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN3-Nanodisc is 6.725ng/ml.

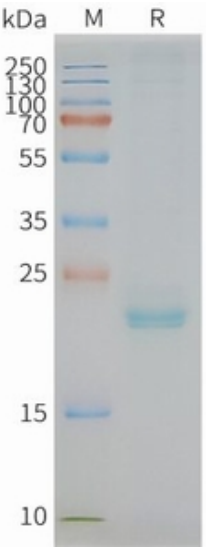

Figure2. Human CLDN3-Nanodisc, Flag Tag on SDS-PAGE

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS