HUMAN CLDN5 FULL LENGTH PROTEIN

Cat.#: 11060
Product Name: Human CLDN5 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: AWAL; BEC1; CPETRL1; TMDVCF; TMVCF
Target: CLDN5
UNIPROT ID: O00501
Description: Human CLDN5 full length protein-synthetic nanodisc
Background: This protein is 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. Mutations in this gene have been found in patients with velocardiofacial syndrome.
Species/Host: HEK293
Molecular Weight: The human full length CLDN5 protein has a MW of 23.1 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.

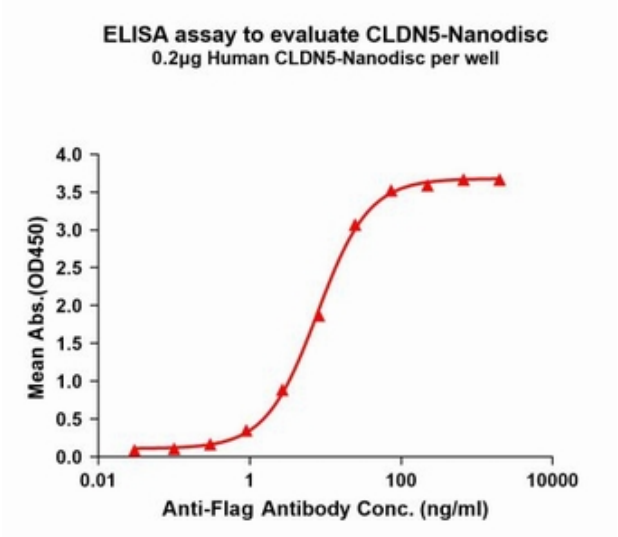

Figure1. Elisa plates were pre-coated with Flag Tag CLDN5-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CLDN5-Nanodisc is 7.814ng/ml.

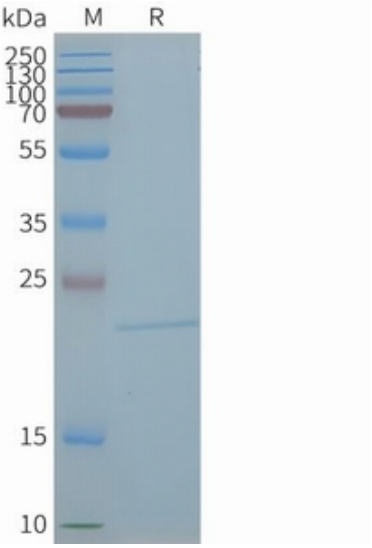

Figure2. Human CLDN5-Nanodisc, Flag Tag on SDS-PAGE