HUMAN FZD7 FULL LENGTH PROTEIN

Cat.#: 11090
Product Name: Human FZD7 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: FzE3
Target: FZD7
UNIPROT ID: O75084
Description: Human FZD7 Full Length Protein-Synthetic Nanodisc
Background: Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas.
Species/Host: HEK293
Molecular Weight: The human full length FZD7 protein has a MW of 63.6 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 -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway

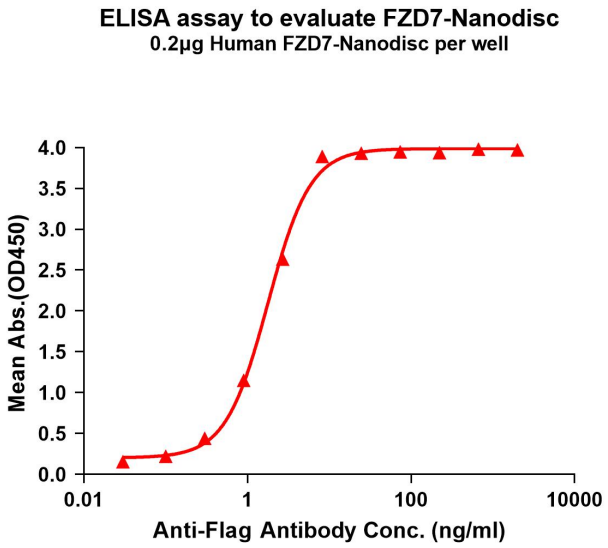

Figure 1. Elisa plates were pre-coated with Flag Tag FZD7-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FZD7-Nanodisc is 1.783ng/ml.

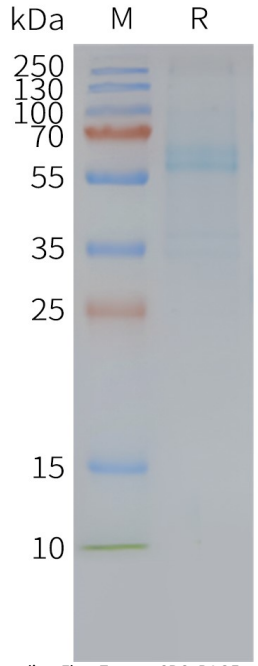

Figure 2. Human FZD7-Nanodisc, Flag Tag on SDS-PAGE