HUMAN SLC2A4 FULL LENGTH PROTEIN

Cat.#: 11045
Product Name: Human SLC2A4 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: GLUT4
Target: SLC2A4
UNIPROT ID: P14672
Description: Human SLC2A4 full length protein-synthetic nanodisc
Background: This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). [provided by RefSeq, Jul 2008]
Species/Host: HEK293
Molecular Weight: The human full length SLC2A4 protein has a MW of 54.6 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 -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.

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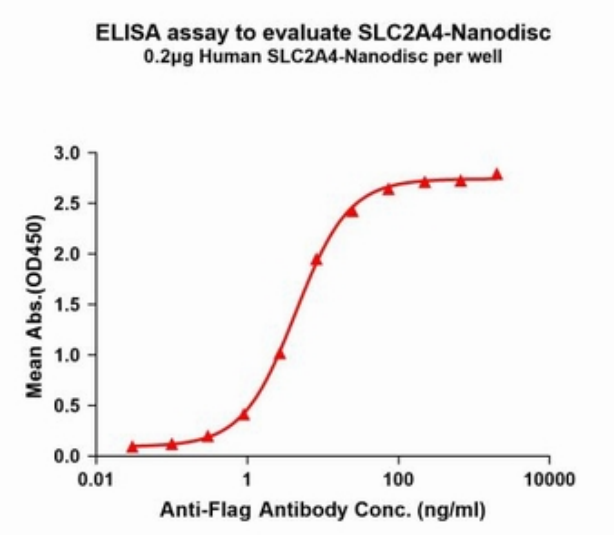

Figure1. Elisa plates were pre-coated with Flag Tag SLC2A4-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC2A4-Nanodisc is 4.357ng/ml.

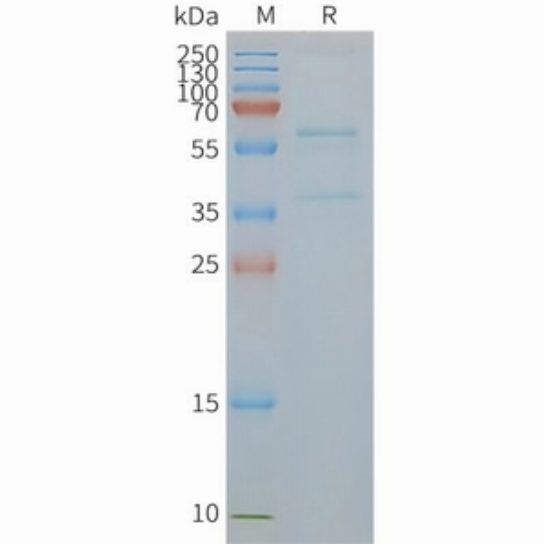

Figure2. Human SLC2A4-Nanodisc, Flag Tag on SDS-PAGE

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