

## HUMAN SLC2A12 FULL LENGTH PROTEIN

**Cat.#:** 11065

**Product Name:** Human SLC2A12 Full Length Protein

**Size:** 10 µg; 50 µg and 100 µg

**Synonyms:** GLUT8; GLUT12

**Target:** SLC2A12

**UNIPROT ID:** Q8TD20

**Description:** Human SLC2A12 Full Length Protein-Synthetic Nanodisc

**Background:** SLC2A12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion. This family of transporters show conservation of 12 transmembrane helices as well as functionally significant amino acid residues.

**Species/Host:** HEK293

**Molecular Weight:** The human full length SLC2A12 protein has a MW of 67.0 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.

**Protein Families:** Transmembrane

**Protein Pathways:** N/A

### ELISA assay to evaluate SLC2A12-Nanodisc 0.2µg Human SLC2A12-Nanodisc per well

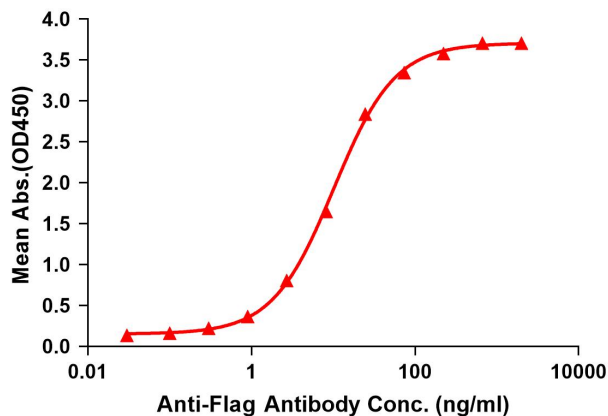


Figure 1. Elisa plates were pre-coated with Flag Tag SLC2A12-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC2A12-Nanodisc is 10.17ng/ml.



Figure 2. Human SLC2A12-Nanodisc, Flag Tag on SDS-PAGE