HUMAN SLC25A4 FULL LENGTH PROTEIN

Cat.#: 11015

Product Name: Human SLC25A4 Full Length Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: AAC1; ANT; ANT 1; ANT1; MTDPS12; MTDPS12A; PEO2; PEO3; PEOA2; T1

Target: SLC25A4

UNIPROT ID: P12235

Description: Human SLC25A4 full length protein-synthetic nanodisc

Background: The protein functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external opthalmoplegia and familial hypertrophic cardiomyopathy.

Species/Host: HEK293

Molecular Weight: The human full length SLC25A4 protein has a MW of 33.1 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

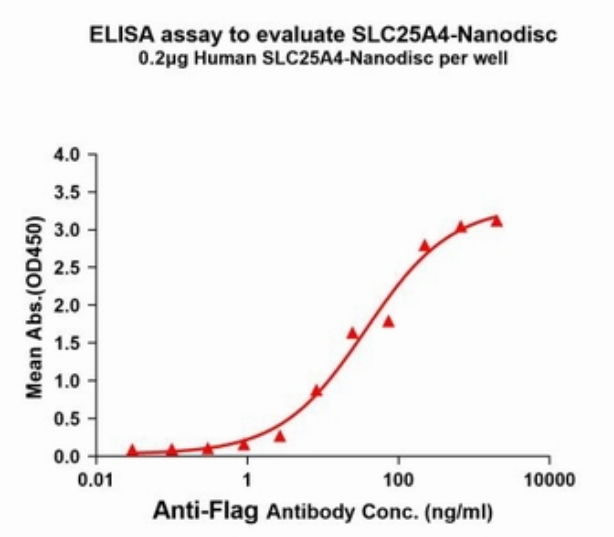

Figure1. Elisa plates were pre-coated with Flag Tag SLC25A4-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC25A4-Nanodisc is 36.85ng/ml.

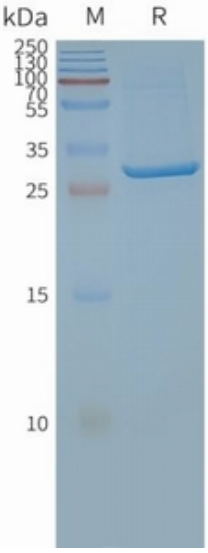

Figure2. Human SLC25A4-Nanodisc, Flag Tag on SDS-PAGE

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