

PRODUCT INFORMATION

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| Target | SLC25A4 |
| Synonyms | AAC1; ANT; ANT 1; ANT1; MTDPS12; MTDPS12A; PEO2; PEO3; PEOA2; T1 |
| Description | Human SLC25A4 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P12235 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, Transmembrane |
| Protein Pathways | Calcium signaling pathway, Huntington's disease, Parkinson's disease |
| 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. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower than 6.5 in subsequent experiments. 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. |
| Storage & Shipping | |
| 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 ophthalmoplegia and familial hypertrophic cardiomyopathy. |
| Usage | Research use only |



ELISA assay to evaluate SLC25A4-Nanodisc 0.2 μ g Human SLC25A4-Nanodisc per well

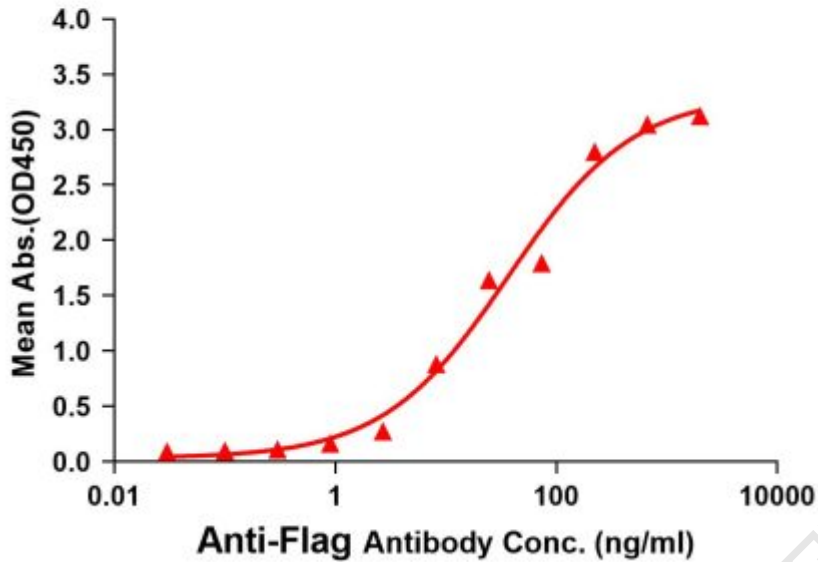


Figure1. Elisa plates were pre-coated with Flag Tag SLC25A4-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC25A4-Nanodisc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

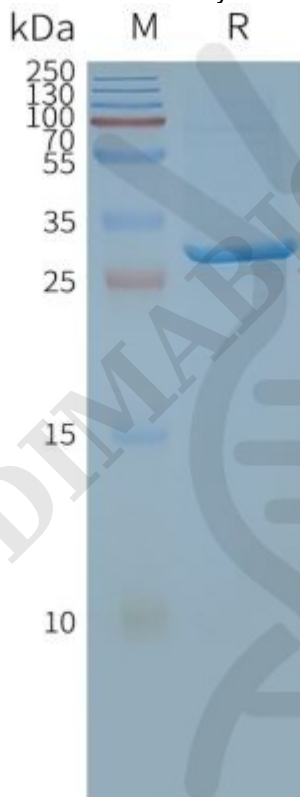


Figure2. Human SLC25A4-Nanodisc, Flag Tag on SDS-PAGE

