PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	SLC25A4
Synonyms	AAC1; ANT; ANT 1; ANT1; MTDPS12; MTDPS12A; PEO2; PEO3; PEOA2; T1
Description	Human SLC25A4-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
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-Strep 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 a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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.
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.
Usage	Research use only
Conjugate	Unconjugated

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