

HDFP776

Product Information

Product SKU:	HDFP776	Expression Host:	HEK293	Size:	10µg
Target:	SLC25A4	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	P12235
Molecular Weight:	The human full length SLC25A4-Strep protein has a MW of 33.1 kDa		

Protein Information

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.

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

Protein Description: Human SLC25A4-Strep full length protein-synthetic nanodisc

Formulation: 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.

Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease.

Protein Families: Druggable Genome, Transmembrane.

Usage: Research use only

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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