

# Product Information

## MemDX™ Membrane Protein Human SLC25A4 (Solute carrier family 25 member 4) Full

### Length

Cat. No.: **MPC1074K**

This product is for research use only and is not intended for diagnostic use.

This product is a 33 kDa Human SLC25A4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

SLC25A4

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

33 kDa

#### TMD

6

#### Sequence

MGDHAWSFLKDFLAGGVAAAVSKTAVAPIERVKLLLQVQHASKQISAEKQ  
YKGIIDCVVRIPKEQGFLSFWRGNLANVIRYFPTQALNFAFKDKYKQLFL  
GGVDRHKQFWRYFAGNLSGGAAGATSLCFVYPLDFARTRLAADVKGKAA  
QREFHGLGDCIIFKSDGLRGLYQGFNVSVQGIHYYRAAYFGVYDTAKG  
MLPDPKNVHIFVSWMIAQSVTAVAGLVSYPFDTVRRRMMMQSGRKGADIM  
YTGTVDCWRKIAKDEGAKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYV

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SLC25A4

**Full Name**

Solute carrier family 25 member 4

**Introduction**

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene 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.

**Alternative Names**

SLC25A4; T1; ANT; AAC1; ANT1; PEO2; PEO3; ANT 1; PEOA2; MTDPS12; MTDPS12A; ADP/ATP translocase 1; ADP,ATP carrier protein 1; ADP,ATP carrier protein, heart/skeletal muscle; adenine nucleotide translocator 1 (skeletal muscle); heart/skeletal muscle ATP/ADP translocator; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4; Solute carrier family 25 member 4

**Gene ID**

[291](#)

**UniProt ID**

[P12235](#)