

# Product Information

## MemDX™ Membrane Protein Human SLC25A4 (Solute carrier family 25 member 4) for Antibody Discovery

Cat. No.: **MP1191X**

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

This product is a 59.5 kDa Human SLC25A4 membrane protein expressed in *In vitro* wheat germ expression system. 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

#### Molecular Weight

59.5 kDa

#### TMD

6

#### Sequence

MGDHAWSFLKDFLAGGVAAVSKTAVAPIERVKLLQVQHASKQISAEKQYKGIIDCVVRIPKEQGFLSFWRGNLANVIRYFPTQALM

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Protein Format

Liposome

#### Form

Liquid

#### **Purification**

Glutathione Sepharose 4 Fast Flow

#### **Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

#### **Storage**

Store at +4°C for up to one week or several months at -80°C

### **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**

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

#### **Gene ID**

[291](#)

#### **UniProt ID**

[P12235](#)