

# Product Information

## **MemDX™ Membrane Protein Human SLC25A12 (Solute carrier family 25 member 12)**

### **Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX2856K**

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

This product is a Human SLC25A12 membrane protein expressed *in vitro* E.coli 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**

SLC25A12

#### **Protein Length**

Full Length

#### **Protein Class**

Transport

#### **TMD**

6

#### **Sequence**

MAVKVQTTKRGDPHELNRNIFLQYASTEVDGERYMTPEDFVQRYLGLYNDPNSNPKIVQLLAGVADQTKDGLISYQEFLAFESVLCAR

### **Product Description**

#### **Expression Systems**

*in vitro* E.coli expression system

#### **Tag**

10xHis tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

#### **Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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

SLC25A12

#### Full Name

Solute carrier family 25 member 12

#### Introduction

This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been observed for this gene.

#### Alternative Names

SLC25A12; AGC1; DEE39; ARALAR; EIEE39; calcium-binding mitochondrial carrier protein Aralar1; araceli hiperlarga; calcium binding mitochondrial carrier superfamily member Aralar1; mitochondrial aspartate glutamate carrier 1; solute carrier family 25 (aspartate/glutamate carrier), member 12; solute carrier family 25 (mitochondrial carrier, Aralar), member 12; Solute carrier family 25 member 12

#### Gene ID

[8604](#)

#### UniProt ID

[O75746](#)