

# Product Information

## **MemDX™ Membrane Protein Human SLC25A15 (Solute carrier family 25 member 15)**

### **Expressed in *E.coli* with GST tag at the N-terminus for Antibody Discovery, Full Length**

Cat. No.: **MPX4645K**

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

This product is a 59.7kDa Human SLC25A15 membrane protein expressed in *E.coli*. 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**

SLC25A15

#### **Protein Length**

Full Length

#### **Protein Class**

Transporter

#### **Molecular Weight**

59.7kDa

#### **TMD**

6

#### **Sequence**

MKSNPAIQAAIDLTAGAAGGTACVLTGQPFDTMKVKMQTFPDLYRGLTDCCLKTYSQVGFRGFYKGTSPALIANIAENSVLFMCYGF

### Product Description

#### **Expression Systems**

*E.coli*

#### **Tag**

GST tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

**Purity**

>90% as determined by SDS-PAGE

**Buffer**

Tris-based buffer, 50% glycerol

**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**

SLC25A15

**Full Name**

Solute carrier family 25 member 15

**Introduction**

This gene is a member of the mitochondrial carrier family. The encoded protein transports ornithine across the inner mitochondrial membrane from the cytosol to the mitochondrial matrix. The protein is an essential component of the urea cycle, and functions in ammonium detoxification and biosynthesis of the amino acid arginine. Mutations in this gene result in hyperornithinemia-hyperammonemia-homocitrullinuria (HHH) syndrome. There is a pseudogene of this locus on the Y chromosome.

**Alternative Names**

SLC25A15; HHH; ORC1; ORNT1; LNC-HC; D13S327; mitochondrial ornithine transporter 1; ornithine carrier 1; ornithine transporter 1; solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15; Solute carrier family 25 member 15

**Gene ID**

[10166](#)

**UniProt ID**

[Q9Y619](#)