

Product Information

MemDX™ Membrane Protein Human SLC25A15 (Solute carrier family 25 member 15) for Antibody Discovery

Cat. No.: **MP1180X**

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

This product is a 59.1 kDa Human SLC25A15 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

SLC25A15

Protein Length

Full-length

Molecular Weight

59.1 kDa

TMD

6

Sequence

MKSNPAIQAAIDLTAGAAGGTACVLTGQPFDTMKVKMQTFPDLYRGLTDCCLKTYSQVGFRGFYKGTSPALIANIAENSVLFMCYGF

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**

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

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

Gene ID

[10166](#)

UniProt ID

[Q9Y619](#)