

Product Information

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

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

Cat. No.: **MPX2692K**

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

This product is a Human SLC25A15 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

SLC25A15

Protein Length

Full Length

Protein Class

Transport

TMD

6

Sequence

MKSNPAIQAAIDLTAGAAGGTACVL TGQPFDTMKVKMQTFPDLYRGLTDCCLKTYSQVGFRGFYKGTSPALIANIAENSVLFMCYGF

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis and SUMO tag

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

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](#)