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Product Information

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

Cat. No.: **MPC2190K**
This product is for research use only and is not intended for diagnostic use.

This product is a 32.7 kDa Human SLC25A15 membrane protein expressed in HEK293. 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
32.7 kDa

TMD
6

Sequence
MKSNPAIQAAIDLTAGAAGGTACVLTGQPFDTMKVKMQTFPDLYRGLTDC
CLKTYSQVGFRGFYKGTSPALIANIAENSVLFMCYGFCQQVVRKVAGLDK
QAKLSDLQNAAAGSFASAFAALVLCPTELVKCRLQTMYEMETSGKIAKSQ
NTVWSVIKSILRKDGPLGFYHGLSSTLLREVPGYFFFFGGYELSRSFFAS
GRSKDELGPVPLMLSGGVGGICLWLAVYPVDCIKSRIQVLSMSGKQAGFI
RTFINVVKNEGITALYSGLKPTMIRAFPANGALFLAYEYSRKLMMNQLEA
Y

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°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

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