

Product Information

MemDX™ Membrane Protein Human SLC25A13 (Solute carrier family 25 member 13)

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

Cat. No.: **MPX2853K**

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

This product is a Human SLC25A13 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

SLC25A13

Protein Length

Full Length

Protein Class

Transport

TMD

6

Sequence

MAAAKVALTKRADPAELRTIFLKYSIEKNGEFFMSPNDFVTRYLNIFGESQPNPKTVELLSGVVDQTKDGLISFQEFVAFESVLCAP

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

SLC25A13

Full Name

Solute carrier family 25 member 13

Introduction

This gene is a member of the mitochondrial carrier family. The encoded protein contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. The protein catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in this gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

SLC25A13; CTLN2; NICCD; CITRIN; ARALAR2; calcium-binding mitochondrial carrier protein Aralar2; mitochondrial aspartate glutamate carrier 2; solute carrier family 25 (aspartate/glutamate carrier), member 13; Solute carrier family 25 member 13

Gene ID

[10165](#)

UniProt ID

[Q9UJS0](#)