

Product Information

MemDX™ Membrane Protein Human SLC25A31 (Solute carrier family 25 member 31) Full Length

Cat. No.: **MPC1992K**

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

This product is a 35 kDa Human SLC25A31 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

SLC25A31

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

35 kDa

TMD

6

Sequence

MHREPAKKKA EKRLFDASSFGKD LLAGGVAAAVSKTAVAPIERVKLLQV
QASSKQISPEARYKGMVDCLVRIPREQGFFSFWRG NLANVIRYFPTQALN
FAFKDKYKQLFMSGVNKEKQFWRWFLANLASGGAAGATSLCVVYPLDFAR
TRLGVDIGKGPEERQFKGLGDCIMKIAKSDGIAGLYQGFGVSVQGIIVYR
ASYFGAYDTVKGLLPKPKKTPFLVSFFIAQVVTTCSGILSYPFDTVRRRM
MMQSGEAKRQYKGTLD CFVKIYQHEGISSFFRGAFSNVLRGTGGALVLVL
YDKIKEFFHIDIGGR

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**

SLC25A31

Full Name

Solute carrier family 25 member 31

Introduction

The protein encoded by this gene is a member of the ADP/ATP carrier family of proteins that exchange cytosolic ADP for matrix ATP in the mitochondria. Cells over-expressing this gene have been shown to display an anti-apoptotic phenotype. This protein is also thought to play a role in spermatogenesis, where it is believed to associate with a part of the flagellar cytoskeleton and with glycolytic enzymes. Male mice with mutations in the mouse ortholog of this gene are sterile and spermatocytes display an early meiotic arrest phenotype. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

SLC25A31; AAC4; ANT4; ANT 4; SFEC35kDa; ADP/ATP translocase 4; ADP,ATP carrier protein 4; adenine nucleotide translocase 4; adenine nucleotide translocator 4; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31; sperm flagellar energy carrier protein; Solute carrier family 25 member 31

Gene ID

[83447](#)

UniProt ID

[Q9H0C2](#)