

Product Information

MemDX™ Membrane Protein Human SLC25A14 (Solute carrier family 25 member 14) Full Length

Cat. No.: **MPC1073K**

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

This product is a 36.2 kDa Human SLC25A14 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

SLC25A14

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

36.2 kDa

TMD

6

Sequence

MGIFPGIILIFLRVKFATAAVIVSGHQKSTTVSHEMSGLNWKPFVYGGLA
SIVAEFGTFPVDLTKTRLQVQQQSIDARFKEIKYRGMFHALFRICKEEGV
LALYSGIAPALLRQASYGTIKIGIYQSLKRLFVERLEDETLLINMICGVV
SGVISSTIANPTDVLKIRMQAQGSLFQGSMIGSFIDYQQEGTRGLWRGV
VPTAQRAIAVVGELPVYDITKKHLILSGMMGDTILTHFVSSFTCGLAGA
LASNPVDVVRTRMMNQRAIVGHVDLYKGTVDGILKMWKHEGFFALYKGFW
PNWLRLGPWNIFFITYEQLKRLQI

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SLC25A14

Full Name

Solute carrier family 25 member 14

Introduction

Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). Uncoupling proteins separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. Uncoupling proteins facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. This gene is widely expressed in many tissues with the greatest abundance in brain and testis. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on chromosome 4.

Alternative Names

SLC25A14; UCP5; BMCP1; brain mitochondrial carrier protein 1; mitochondrial uncoupling protein 5; UNQ791/PRO1682; Solute carrier family 25 member 14

Gene ID

[9016](#)

UniProt ID

[Q95258](#)