

# Product Information

## MemDX™ Membrane Protein Human SLC13A3 (Solute carrier family 13 member 3) Full

### Length

Cat. No.: **MPC0731K**

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

This product is a 66.8 kDa Human SLC13A3 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

SLC13A3

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

66.8 kDa

#### TMD

12

#### Sequence

MAALAAAAKKVWSARRLLVLLFTPLALLPVVFALPPKEGRCLFVILLMAV  
YWCTEALPLSVTALLPIVLFPFMGILPSNKVCPQYFLDTNFLFLSGLIMA  
SAIEEWNLHRRALKILMLVGVPARLILGMMVTTSFLSMWLSNTASTAM  
MLPIANAILKSLFGQKEVRKDPSQSESENTAAVRRNGLHTVPTMQFLAS  
TEAKDHPGETEVPLDLPADSRKEDEYRRNIWKGFLLISIPYSASIGGTATL  
TGTAPNLILLGQLKSFFPQCDDVNFSGWFIFAFPLMLLFLLAGWLWISFL  
YGGLSFRGWRKNKSEIRTN AEDRARAVIREEYQNLGPIKFAEQAVFILFC  
MFAILLFTRDPKFIPGWASLFNPGFLSDAVTGVAIVTILFFFPSQRPSLK  
WWFDFKAPNTETEP LLTWKKAQETVPWNIILLGGGFAMAKGCEESGLSV  
WIGGQLHPLENVPPALAVLLITVVI AFFTEFASNTATIIIFLPVLAELAI  
RLRVHPLYLMIPGTVGCSFAFMLPVSTPPNSIAFASGHLLVKDMVRTGLL  
MNLMGVLLLSLAMNTWAQ TIFQLGTFPDWADMYSVNVLTALPPTLANDTFR  
TL

### 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

SLC13A3

### Full Name

Solute carrier family 13 member 3

### Introduction

Mammalian sodium-dicarboxylate cotransporters transport succinate and other Krebs cycle intermediates. They fall into 2 categories based on their substrate affinity: low affinity and high affinity. Both the low- and high-affinity transporters play an important role in the handling of citrate by the kidneys. The protein encoded by this gene represents the high-affinity form. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, although the full-length nature of some of them have not been characterized yet.

### Alternative Names

NADC3; SDCT2; ARLIAK; solute carrier family 13 member 3; Na(+)/dicarboxylate cotransporter 3; hNaDC3; naDC-3; sodium-dependent high affinity dicarboxylate transporter 3; SLC13A3; Solute carrier family 13 member 3

### Gene ID

[64849](#)

### UniProt ID

[Q8WWT9](#)