

Product Information

MemDX™ Membrane Protein Human SLC5A8 (Solute carrier family 5 member 8) Full Length

Cat. No.: **MPC0887K**

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

This product is a 66.5 kDa Human SLC5A8 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

SLC5A8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

66.5 kDa

TMD

13

Sequence

MDTPRGIGTFVWVDYVVFAGMLVISAAIGIYYAFAGGGQQTSKDFLMGGR
RMTAVPVALSLTASFMSAVTVLGTPEVYRFGAIFSIFAFTYFFVVIS
EVFLPVFYKLGITSTYEYLELRFNKCVRLCGTFLFIVQTILYTGIVYAP
ALALNQVTGFDLWGAVVATGVVCTFYCTLGGLKAVIWTDFVQVGIMVAGF
ASVIIQAVVMQGGISTILNDAYDGGRLNFWNFNPPLQRHTFWTIIIGGT
FTWTSIYGVNQSQVQRYISCKSRFQAKLSLYINLVGLWAILTCSVFCGLA
LYSRYHDCDPWTAKKVSAPDQLMPYLVLDILQDYPGLPGLFVACAYSGTL
STVSSSINALAAVTVEDLIKPYFRSLSERSLSWISQGMSSVYGALCIGMA
ALASLMGALLQAALSVFGMVGGPLMGLFALGILVPFANSIGALVGLMAGF
AISLWVGIGAQIYPPLPERTLPLHLDIQGCNSTYNETNLMTTTEMPFTTS
VFQIYNVQRTPLMDNWYSLSYLYFSTVGTTLVLLVGILVSLSTGGRKQNL
DPRIYLTKEDFLSNFDIFKKKKHVLSYKSHPVEDGGTDNPAFNHIELNSD
QSGKSNGTRL

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**

SLC5A8

Full Name

Solute carrier family 5 member 8

Introduction

SLC5A8 has been shown to transport iodide by a passive mechanism and monocarboxylates and short-chain fatty acids by a sodium-coupled mechanism. In kidney, SLC5A8 functions as a high-affinity sodium-coupled lactate transporter involved in reabsorption of lactate and maintenance of blood lactate levels.

Alternative Names

AIT; SMCT; SMCT1; sodium-coupled monocarboxylate transporter 1; apical iodide transporter; electrogenic sodium monocarboxylate cotransporter; sodium iodide-related cotransporter; solute carrier family 5 (iodide transporter), member 8; solute carrier family 5 (sodium/monocarboxylate cotransporter), member 8; SLC5A8; Solute carrier family 5 member 8

Gene ID

[160728](#)

UniProt ID

[Q8N695](#)