

Product Information

MemDX™ Membrane Protein Human SLC16A5 (Solute carrier family 16 member 5) Full

Length

Cat. No.: **MPC0748K**

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

This product is a 54.9 kDa Human SLC16A5 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

SLC16A5

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

54.9 kDa

TMD

12

Sequence

MPQALERADGSWAWVLLATMVTQGLTLGFPTCIGIFFTELQWEFQASNS
ETSWFPSILTAVLHMAGPLCSILVGRFGCRVTVMLGGVLASLGMVASSFS
HNLSQLYFTAGFITGLGMCFSFQSSITVLGFYFVRRRVLANALASMGVSL
GITLWPLLSRYLLENLWVRGTFLVFGGIFLHCCICGAIIRPVATSVAPET
KECPPPPPEPALGCLAACGRTIQRHLAFDILRHNTGYCVYILGVMWSVL
GFPLPQVFLVPYAMWHSVDEQQAALLISIIGFSNIFLRPLAGLMAGRPAF
ASHRKYLFSALLLNGLTNLVCAASGDFWVLVGYCLAYSVSMSGIGALIF
QVLMDIVPMDQFPRALGLFTVLDGLAFLISPPLAGLLLDATNNFSYVFYM
SSFFLISAALFMGGSFYALQKKEQGKQAVAADALERDLFLEAKDGPQKQR
SPEIMCQSSRQPRPAGVNVKHLWGCPASSRTSHEWLLWPKAVLQAKQTALG
WNSPT

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**

SLC16A5

Full Name

Solute carrier family 16 member 5

Introduction

This gene encodes a member of the monocarboxylate transporter family and the major facilitator superfamily. The encoded protein is localized to the cell membrane and acts as a proton-linked transporter of bumetanide. Transport by the encoded protein is inhibited by four loop diuretics, nateglinide, thiazides, probenecid, and glibenclamide. Alternative splicing results in multiple transcript variants.

Alternative Names

MCT5; MCT6; monocarboxylate transporter 6; monocarboxylate transporter 5; solute carrier family 16 (monocarboxylate transporter), member 5; solute carrier family 16 (monocarboxylic acid transporters), member 5; solute carrier family 16, member 5 (monocarboxylic acid transporter 6); SLC16A5; Solute carrier family 16 member 5

Gene ID

[9121](#)

UniProt ID

[Q15375](#)