SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human SLC22A18 (Solute carrier family 22 member 18) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1169X**
This product is for research use only and is not intended for diagnostic use.

This product is a 71.2 kDa Human SLC22A18 membrane protein expressed in *In vitro* wheat germ expression system. 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
SLC22A18

Protein Length
Full-length

Molecular Weight
71.2 kDa

TMD
10

Sequence
MQGARAPRDQGQSPGRMSALGRSSVILLTYVLAATELTCLFMQFSIVPYLSRKLGLDSIAFGYLQTTFGVLQLLGGPVFGRFADQR

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Protein Format
Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

SLC22A18

Full Name

Solute carrier family 22 member 18

Introduction

This gene is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene is imprinted, with preferential expression from the maternal allele. Mutations in this gene have been found in Wilms' tumor and lung cancer. This protein may act as a transporter of organic cations, and have a role in the transport of chloroquine and quinidine-related compounds in kidney. Several alternatively spliced transcript variants encoding different isoforms have been described.

Alternative Names

HET; ITM; BWR1A; IMPT1; TSSC5; ORCTL2; BWSCR1A; SLC22A1L; p45-BWR1A; solute carrier family 22 member 18; beckwith-Wiedemann syndrome chromosomal region 1 candidate gene A protein; efflux transporter-like protein; imprinted multi-membrane-spanning polyspecific transporter-related protein 1; organic cation transporter-like protein 2; p45 Beckwith-Wiedemann region 1A; tumor-suppressing STF cDNA 5 protein; tumor-suppressing subchromosomal transferable fragment candidate gene 5 protein

Gene ID

5002

UniProt ID

Q96BI1

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