

Product Information

MemDX™ Membrane Protein Human SLC22A17 (Solute carrier family 22 member 17) for Antibody Discovery

Cat. No.: **MP1168X**

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

This product is a 84.7 kDa Human SLC22A17 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

SLC22A17

Protein Length

Full-length

Molecular Weight

84.7 kDa

TMD

11

Sequence

MASDPIFTLAPPLHCHYGAFPPNASGWEQPPNASGVSVASAALAASAASRVATSTDPSCSGFAPPDFNHCLKDWDYNGLPVLTTN

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

SLC22A17

Full Name

Solute carrier family 22 member 17

Introduction

Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis (By similarity).

Alternative Names

BOCT; BOIT; 24p3R; NGALR; hBOIT; NGALR2; NGALR3; solute carrier family 22 member 17; 24p3 receptor; NGAL receptor; brain-type organic cation transporter; lipocalin-2 receptor; neutrophil gelatinase-associated lipocalin receptor; potent brain type organic ion transporter; solute carrier family 22 (organic cation transporter), member 17

Gene ID

[51310](#)

UniProt ID

[Q8WUG5](#)