

Product Information

MemDX™ Membrane Protein Human SLC7A9 (Solute carrier family 7 member 9) for Antibody Discovery

Cat. No.: **MP1270X**

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

This product is a 79.9 kDa Human SLC7A9 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

SLC7A9

Protein Length

Full-length

Molecular Weight

79.9 kDa

TMD

12

Sequence

MGDTGLRKRREDEKSIQSQEPKTTSLQKELGLISGISIIVGTIIGSGIFVSPKSVLSNTEAVGPCLIIWAACGVLATLGALCFaelgTMIT

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

SLC7A9

Full Name

Solute carrier family 7 member 9

Introduction

This gene encodes a protein that belongs to a family of light subunits of amino acid transporters. This protein plays a role in the high-affinity and sodium-independent transport of cystine and neutral and dibasic amino acids, and appears to function in the reabsorption of cystine in the kidney tubule. Mutations in this gene cause non-type I cystinuria, a disease that leads to cystine stones in the urinary system due to impaired transport of cystine and dibasic amino acids. Alternate transcript variants, which encode the same protein, have been found for this gene.

Alternative Names

BAT1; CSNU3; B(0,+)-type amino acid transporter 1; b(0,+)-AT; glycoprotein-associated amino acid transporter b0,+AT1; solute carrier family 7 (amino acid transporter light chain, bo,+ system), member 9; solute carrier family 7 (cationic amino acid transporter, y+ system), member 9; solute carrier family 7 (glycoprotein-associated amino acid transporter light chain, bo,+ system), member 9

Gene ID

[11136](#)

UniProt ID

[P82251](#)