

Product Information

MemDX™ Membrane Protein Human SLC7A2 (Solute carrier family 7 member 2) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1266X**

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

This product is a 98.1 kDa Human SLC7A2 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

SLC7A2

Protein Length

Full-length

Molecular Weight

98.1 kDa

TMD

14

Sequence

MIPCRAALTFARCLIRRKIVTLDSLEDTKLCRCLSTMDLIALGVGSTLGAGVYVLAGEVAKADSGPSIVVSFLIAALASVMAGLCYAEF

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**

SLC7A2

Full Name

Solute carrier family 7 member 2

Introduction

The protein encoded by this gene is a cationic amino acid transporter and a member of the APC (amino acid-polyamine-organocation) family of transporters. The encoded membrane protein is responsible for the cellular uptake of arginine, lysine and ornithine. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CAT2; ATRC2; HCAT2; cationic amino acid transporter 2; low affinity cationic amino acid transporter 2; solute carrier family 7 (cationic amino acid transporter, y⁺ system), member 2

Gene ID

[6542](#)

UniProt ID

[P52569](#)