

Product Information

MemDX™ Membrane Protein Human SLC7A14 (Solute carrier family 7 member 14) for Antibody Discovery

Cat. No.: **MP1265X**

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

This product is a 106.5 kDa Human SLC7A14 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

SLC7A14

Protein Length

Full-length

Molecular Weight

106.5 kDa

TMD

15

Sequence

MLEGTGTTTAHGTKLAQVLTTVDLISLGVGSCVGTGMYVVSGLVAKEMAGPGVIVSFIIAAVASILSGVCYAEFGVRVPKTTGSAYTY

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

SLC7A14

Full Name

Solute carrier family 7 member 14

Introduction

This gene is predicted to encode a glycosylated, cationic amino acid transporter protein with 14 transmembrane domains. This gene is primarily expressed in skin fibroblasts, neural tissue, and primary endothelial cells and its protein is predicted to mediate lysosomal uptake of cationic amino acids. Mutations in this gene are associated with autosomal recessive retinitis pigmentosa. In mice, this gene is expressed in the photoreceptor layer of the retina where its expression increases over the course of retinal development and persists in the mature retina.

Alternative Names

PPP1R142; probable cationic amino acid transporter; protein phosphatase 1, regulatory subunit 142; solute carrier family 7 (cationic amino acid transporter, y⁺ system), member 14; solute carrier family 7 (orphan transporter), member 14

Gene ID

[57709](#)

UniProt ID

[Q8TBB6](#)