

Product Information

MemDX™ Membrane Protein Human SLC3A2 (Solute carrier family 3 member 2) for Antibody Discovery

Cat. No.: **MP1241X**

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

This product is a 84.3 kDa Human SLC3A2 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

SLC3A2

Protein Length

Full-length

Molecular Weight

84.3 kDa

TMD

1

Sequence

MSQDTEVDMKEVELNELEPEKQPMNAASGAAMSLAGAEKNGLVKIKVAEDEAEAAAAAKFTGLSKEELLKVAGSPGWVTRWALL

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

SLC3A2

Full Name

Solute carrier family 3 member 2

Introduction

This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.

Alternative Names

4F2; CD98; MDU1; 4F2HC; 4T2HC; NACAE; CD98HC; 4F2 cell-surface antigen heavy chain; CD98 heavy chain; antigen defined by monoclonal antibody 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; lymphocyte activation antigen 4F2 large subunit; monoclonal antibody 44D7; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; solute carrier family 3 (amino acid transporter heavy chain), member 2

Gene ID

[6520](#)

UniProt ID

[P08195](#)