

Product Information

MemDX™ Membrane Protein Human SLC1A7 (Solute carrier family 1 member 7) for

Antibody Discovery

Cat. No.: **MP1162X**

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

This product is a 43.12 kDa Human SLC1A7 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

SLC1A7

Protein Length

Full-length

Molecular Weight

43.12 kDa

TMD

10

Sequence

MVPHAILARGRDVCRRNGLLILSVLSVIVGCLLGFFLRTRLSPQEISYFQFPGELLMRMLKMMILPLVVSSLMSGLASLDAKTSSRL

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**

SLC1A7

Full Name

Solute carrier family 1 member 7

Introduction

Transports L-glutamate; the L-glutamate uptake is sodium- and voltage-dependent and chloride-independent. Its associated chloride conductance may participate in visual processing.

Alternative Names

AAAT; EAAT5; excitatory amino acid transporter 5; excitatory amino acid transporter 5 (retinal glutamate transporter); retinal glutamate transporter; solute carrier family 1 (glutamate transporter), member 7

Gene ID

[6512](#)

UniProt ID

[Q00341](#)