

# Product Information

**MemDX™ Membrane Protein Human SLC29A1 (Solute carrier family 29 member 1 (Augustine blood group)) expressed in *In vitro* wheat germ expression system for Antibody Discovery**

Cat. No.: **MP1202X**

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

This product is a 76.6 kDa Human SLC29A1 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

SLC29A1

### Protein Length

Full-length

### Molecular Weight

76.6 kDa

### TMD

11

### Sequence

MTTSHQPQDRYKAVWLIFFMLGLGTLLPWNFFMTATQYFTNRLDMSQNVSLVTAELSKDAQASAAPAAPLPERNSLSAIFNNVMTL

## 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**

SLC29A1

**Full Name**

Solute carrier family 29 member 1 (Augustine blood group)

**Introduction**

This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene.

**Alternative Names**

ENT1; equilibrative nucleoside transporter 1; equilibrative nitrobenzylmercaptopurine riboside (NBMPR)-sensitive nucleoside transporter; nucleoside transporter, es-type; solute carrier family 29 (equilibrative nucleoside transporter), member 1; solute carrier family 29 (nucleoside transporters), member 1

**Gene ID**

[2030](#)

**UniProt ID**

[Q99808](#)