

Product Information

MemDX™ Human SLC7A5 MC-38 Cell Line

Cat. No.: **S01YF-0324-KX4**

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

Product Information

Target Protein

SLC7A5

Target Protein Species

Human

Host Cell Type

MC-38

Target Classification

Transporter

Target Family

SLC Transporter

Target Research Area

Metabolic Research

Related Diseases

Lysinuric Protein Intolerance; Phenylketonuria

Product Properties

Assay Types

Functional assay and biological assay

Mycoplasma Testing

Negative

Biosafety Level

Level 1

Activity

Yes

Form

Frozen cells

Freeze Medium

70% RPMI 1640 + 20% FBS + 10% DMSO

Culture Medium

RPMI 1640 + 10% FBS

Selective Antibiotic(s)

Regular antibiotics active against mycoplasmas, bacteria and fungi.

Handling Notes

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.

Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.

Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

Incubation

37°C with 5% CO₂

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO₂ to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening and functional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Solute carrier family 7 member 5

Alternative Names

E16; CD98; LAT1; 4F2LC; MPE16; D16S469E; large neutral amino acids transporter small subunit 1; 4F2 light chain; CD98 light chain; L-type amino acid transporter 1; integral membrane protein E16; sodium-independent neutral amino acid transporter LAT1; solute carrier family 7 (amino acid transporter light chain, L system), member 5; solute carrier family 7 (cationic amino acid transporter, y⁺ system), member 5; SLC7A5; Solute carrier family 7 member 5

Gene ID

8140

UniProt ID

Q01650