

Product Information

MemDX™ Membrane Protein Human SLC7A2 (Solute carrier family 7 member 2) for Antibody Discovery

Cat. No.: **MP0928J**

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

This product is a 71.5 kDa Human SLC7A2 membrane protein expressed in HEK293T. 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

SLC7A2

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

71.5 kDa

TMD

14

Sequence

MIPCRAALT FARCLIRRKIVTLD SLEDTKLCRCLSTMDLIALGVGSTLGAGVYVLAGEVAKADSGPSIVV
SFLIAALASVMAGLCYAEFGARVPKTGSAYLYTYVTVGELWAFITGWNLILSYVIGTSSVARAWSGTFDE
LLSKQIGQFLRTYFRMNYTG LAEYPDFFAVCLILLAGLLSFGVKESAWVNKVFTAVNILVLLFVMVAGF
VKGNVANWKISEEFLKNISASAREPPSENGTSIYGAGGFMPYGFTGTLAGAATCFYAFVGFDCIATTGEE
VRNPQKAIPIGIVTSLLVCFMAYFGVSAALTLMPYYLLDEKSPLPVAFEYVVGWGPAYVVAAGSLCALS
TSLLGSIFPMPRVIYAMAEDGLLFKCLAQINSKTKTPIATLSSGAVAALMAFLFDLKALVDMMSIGTLM
AYSLVAACVLILRYQPGLSYDQPKCSPEKDGLGSSPRVTSKSESQVTMLQRQGFSMRTLFCPSLLPTQQS
ASLVSFLVGFLAFLVLGLSVLTTYGVHAITRLEAWSLALLALFLVLFVAIVLTIWRQPQNQQKVAFMVPF
LPFLPAFSILVNIYLMVQLSADTWVRF SIWMAIGFLIYFSYGIRHSLEGHLRDENNEEDAYPDNVHAAA
EKSAIQANDHHPRNLSSPFIFHEKTSEF

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SLC7A2

Full Name

Solute carrier family 7 member 2

Introduction

The protein encoded by this gene is a cationic amino acid transporter and a member of the APC (amino acid-polyamine-organocation) family of transporters. The encoded membrane protein is responsible for the cellular uptake of arginine, lysine and ornithine. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

ATRC2; CAT2; HCAT2

Gene ID

[6542](#)

UniProt ID

[P52569](#)