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Product Information

MemDX™ Membrane Protein Human SLC7A14 (Solute carrier family 7 member 14) Full Length

Cat. No.: **MPC1896K**
This product is for research use only and is not intended for diagnostic use.

This product is a 84 kDa Human SLC7A14 membrane protein expressed in HEK293. 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
SLC7A14

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
84 kDa

TMD
15

Sequence
MSGFFTSLDPRRVQWGAAWYAMHSRILRTKPVESMLEGTGTTTAHGTKLA
QVLTTVDLISLGVGSCVGTGMYVVSGLVAKEMAGPGVIVSFIIAAVASIL
SGVCYAEFGVRVPKTTGSAYTYSYVTVGEFVAFFIGWNLILEYLIGTAAG
ASALSSMFDSLANHTISRWMADSVGTLNGLGKGEESYPDLLALLIAVIVT
IIVALGVKNSIGFNNVLNVLNLAVWVFIMIAGLFFINGKYWAEGQFLPHG
WSGVLQGAATCFYAFIGFDIIATTGEEAKNPNTSIPYAITASLVICLTAY
VSVSVILTLMVPYYTIDTESPLMEMFVAHGFYAAKFVVAIGSVAGLTVSL
LGSLFPMPRVIYAMAGDGLLFRFLAHVSSYTETPVVACIVSGFLAALLAL
LVSLRDLIEMMSIGTLLAYTLVSVCVLLLRYQPESDIDGFVKFLSEEHTK
KKEGILADCEKEACSPVSEGDEFSGPATNTCGAKNLPSLGDNEMLIGKSD
KSTYNVNHPNYGTVDMTTGIEADESENIYLIKLKKLIGPHYYTMRIRLGL
PGKMDRPTAATGHTVTICVLLLFILMFIFCSFIIFGSDYISEQSWWAILL
VVLMVLLISTLVFVILQQPENPKKLPYMAPCLPFVPAFAMLVNIYLMLKL
STITWIRFAVWCFVGLLIYFGYGIWNSTLEISAREEALHQSTYQRYDVDD
PFSVEEGFSYATEGESQEDWGGPTEDKGFYYQQMSDAKANGRTSSKAKSK
SKHKQNSEALIANDELDYSPE

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SLC7A14

Full Name

Solute carrier family 7 member 14

Introduction

This gene is predicted to encode a glycosylated, cationic amino acid transporter protein with 14 transmembrane domains. This gene is primarily expressed in skin fibroblasts, neural tissue, and primary endothelial cells and its protein is predicted to mediate lysosomal uptake of cationic amino acids. Mutations in this gene are associated with autosomal recessive retinitis pigmentosa. In mice, this gene is expressed in the photoreceptor layer of the retina where its expression increases over the course of retinal development and persists in the mature retina.

Alternative Names

SLC7A14; PPP1R142; probable cationic amino acid transporter; protein phosphatase 1, regulatory subunit 142; solute carrier family 7 (cationic amino acid transporter, y+ system), member 14; solute carrier family 7 (orphan transporter), member 14; Solute carrier family 7 member 14

Gene ID

57709

UniProt ID

Q8TBB6

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