

Product Information

MemDX™ Membrane Protein Human SLC6A8 (Solute carrier family 6 member 8) Full Length

Cat. No.: **MPC0898K**

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

This product is a 70.5 kDa Human SLC6A8 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

SLC6A8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

70.5 kDa

TMD

12

Sequence

MAKKSANGIYSVSGDEKKGPLIAPGPDGAPAKGDGPVGLGTPGGRLAVP
PRETWTRQMDFMSCVGFVAVGLGNVWRFYLYCYKNGGGVFLIPYVLIALV
GGIPIFFLEISLGQFMKAGSINVWNICPLFKGLGYASMVIVFYCNTYYIM
VLAWGFYYLVKSFTTTLTPWATCGHTWNTPDCEIFRHEDCANASLANLTC
DQLADRRSPVIEFWENKVLRLSGGLEVPGALNWEVTLCLLACWVLVYFCV
WKGVKSTGKIVYFTATFPYVVLVLLVRGVLLPGALDGIYYLKPDWSKL
GSPQVWIDAGTQIFFSYAIGLGALTALGSYNRFNNNCYKDAILALINSG
TSFFAGFVVFISILGFMAAEQGVHISKVAESGPGLAFIAYPRAVTLMPVAP
LWAALFFFMLLLLGLDSQFVGVEGFITGLLDLLPASYYFRFQREISVALC
CALCFVIDLSMVTDDGGMVVFQLFDYYSASGTTLLWQAFWECVVVAWVYGA
DRFMDDIACMIGYRCPWMKWCWSFFTPLVCMGIFIFNVVYYEPLVYNNT
YVYPWWGEAMGWAFALSSMLCVPLHLLGCLLRAKGTMAERWQHLLTQPIWG
LHHLEYRAQDADVRGLTTLTPVSESSKVVVVESVM

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**

SLC6A8

Full Name

Solute carrier family 6 member 8

Introduction

The protein encoded by this gene is a plasma membrane protein whose function is to transport creatine into and out of cells. Defects in this gene can result in X-linked creatine deficiency syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CRT; CT1; CRTR; CTR5; CCDS1; sodium- and chloride-dependent creatine transporter 1; creatine transporter 1; creatine transporter SLC6A8 variant D; solute carrier family 6 (neurotransmitter transporter), member 8; solute carrier family 6 (neurotransmitter transporter, creatine), member 8; SLC6A8; Solute carrier family 6 member 8

Gene ID

[6535](#)

UniProt ID

[P48029](#)