

Product Information

MemDX™ Membrane Protein Human SLC18A3 (Solute carrier family 18 member A3) Full

Length

Cat. No.: **MPC1070K**

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

This product is a 56.9 kDa Human SLC18A3 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

SLC18A3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

56.9 kDa

TMD

12

Sequence

MESAEPAGQARAAATKLSEAVGAALQEPRRQRRLLVLVIVCVALLLDNMLY
MVIVPIVPDYIAHMRGGGEGPTRTPEVWEPTLPLTPANASAYTANTSAS
PTAAWPAGSALRPYPTESEDVKIGVLFASKAILQLLVNPLSGPFIDRMS
YDVPLLIGLGVMAFASTVLFafaedyatlfaarslqglgsafadtsgiami
ADKYPEEPERSRALGVALAFISFGSLVAPPFGGILYEFAGKRVPLVLAA
VSLFDALLLLAVAKPFSAAARARANLPVGTPIHRLMLDPYIAVVAGALTT
CNIPLAFLEPTIATWMKHTMAASEWEMGMAWLPAFVPHVLGVYLTVRLAA
RYPHLQWLYGALGLAVIGASSCIVPACRSFAPLVVSLCGLCFGIALVDTA
LLPTLAFLVDVRHVSVYGSVYAIADISYSVAYALGPVAGHIVHSLGFEQ
LSLGMGLANLLYAPVLLLLLRNVGLLTRSRSERDVLLEPPQGGLYDAVRLR
ERPVSQGQDGEPRSPGPFDACEDDYNYYYTRS

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SLC18A3

Full Name

Solute carrier family 18 member A3

Introduction

This gene is a member of the vesicular amine transporter family. The encoded transmembrane protein transports acetylcholine into secretory vesicles for release into the extracellular space. Acetylcholine transport utilizes a proton gradient established by a vacuolar ATPase. This gene is located within the first intron of the choline acetyltransferase gene.

Alternative Names

SLC18A3; CMS21; VACHT; vesicular acetylcholine transporter; solute carrier family 18 (vesicular acetylcholine transporter), member 3; solute carrier family 18 (vesicular acetylcholine), member 3; solute carrier family 18, member 3; VACHT; Solute carrier family 18 member A3

Gene ID

[6572](#)

UniProt ID

[Q16572](#)