

## 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  
PTAAWPAGSALRPPTYSEDVKIGVLFASKAILQLLVNPLSGPFIDRMS  
YDVPLLIGLGVMFASTVLFafaedyatlfaarslqglgsafadtsgiami  
ADKYPEEPERSRALGVALAFISFGSLVAPPFGGILYEFAGKRVPLVLAA  
VSLFDALLLLAVAKPFSAAARARANLPVGTPIHRLMLDPYIAVVAGALTT  
CNIPLAFLEPTIATWMKHTMAASEWEMGMAWLPAFVPHVLGVYLTVRLAA  
RYPHLQWLYGALGLAVIGASSCIVPACRSFAPLVVSLCGLCFGIALVDTA  
LLPTLAFLVDVRHVSVYGSVYAIADISYSVAYALGPVAGHIVHSLGFEQ  
LSLGMGLANLLYAPVLLLLLRNVGLLTRSRSERDVLLEPPQGGLYDAVRLR  
ERPVSQGQDGEPRSPGPFDA CEDDYNYYYTRS

#### 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](#)