

Product Information

MemDX™ Membrane Protein Human SLC17A8 (Solute carrier family 17 member 8) Full

Length

Cat. No.: **MPC1801K**

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

This product is a 64.9 kDa Human SLC17A8 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

SLC17A8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

64.9 kDa

TMD

12

Sequence

MPFKAFDTFKEKILKPGKEGVKNAVGDSDLGILQRKIDGTTEEDNIELNE
EGRPVQTSRPSPLCDCHCCGLPKRYIIAMSGLGFCISFGIRCNLGVAI
VEMVNNSTVYVDGKPEIQTAQFNWDPETVGLIHGSFFWGYIMTQIPGGFI
SNKFAANRVFGAAIFLTSTLNMFIPSAARVHYGCVMCVRILQGLVEGVTY
PACHGMWSKWAPPLERSRLATTSFCGSYAGAVVAMPLAGVLVQYIGWSSV
FYIYGMFGIHWYMFVLLQAYECPAAHPTISNEEKTYIETSIGEGANVVSL
SKFSTPWKRFFTSPLVYAIIVANFCRSWTFYLLISQPAYFEEVFGFAIS
KVGLLSAVPHMVMTIVVPIGGQLADYLRSRQILTTTAVRKIMNCGGFGME
ATLLLVVGFSGHTKGVASFLVLAVGFSGFAISGFNVNHLDIAPRYASILM
GISNGVGTLSGMVCPVIGAMTRHKTREEWQNVFLIAALVHYSGVIFYGV
FASGEKQEWADPENLSECKGIIDQDELAEEIELNHESFASPKKKMSYGA
TSQNCEVQKKEWKQQRGATLDEEELTSYQNEERNFSTIS

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**

SLC17A8

Full Name

Solute carrier family 17 member 8

Introduction

This gene encodes a vesicular glutamate transporter. The encoded protein transports the neurotransmitter glutamate into synaptic vesicles before it is released into the synaptic cleft. Mutations in this gene are the cause of autosomal-dominant nonsyndromic type 25 deafness. Alternate splicing results in multiple transcript variants.

Alternative Names

SLC17A8; DFNA25; VGLUT3; vesicular glutamate transporter 3; solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8; solute carrier family 17 (vesicular glutamate transporter), member 8; Solute carrier family 17 member 8

Gene ID

[246213](#)

UniProt ID

[Q8NDX2](#)