

Product Information

MemDX™ Membrane Protein Human SV2B (Synaptic vesicle glycoprotein 2B) Full Length

Cat. No.: **MPC1079K**

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

This product is a 77.4 kDa Human SV2B 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

SV2B

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

77.4 kDa

TMD

12

Sequence

MDDYKYQDN YGGYAPSDGYYRGNESNPEEDAQSDVTEGHDEEDEIYEGEY
QGIPHPDDVKAKQAKMAPSRMDSL RGQTDLMAERLEDEEQLAHQYETIMD
ECGHGRFQWILFFVLGLALMADGVEVFVVSFALPSAEKDMCLSSSKKGML
GMIVYLGMMAGAFILGGLADKLGRKRVLSMSLAVNASFASLSSFVQGYGA
FLFCRLISGIGGALPIVFAYFSEFLSREKRGEHLSWLGIFWMTGGLYA
SAMAWSIIPHYGWGFSMGTYHFSWRVVFVVCALPCTVSMVALKFMPE
PRFLEMGKHDEAWMILKQVHDTNMRAKGTPEKVFTVSNIKTPKQMDEFI
EQSSTGTWYQRWLVRFKTIFKQVWDNALYCVMPYRMNTLILAVVWFAM
AFSYGLTVWFPDMIRYFQDEEYKSKMKVFFGEHVYGATINFTMENQIHQ
HGKLVNDKFTRMYFKHVLFE DTFDECYFEDVTSTDYFKNCTIESTIFY
NTDLYEHKFINCRFINSTFLEQKEGCHMDLEQDNDFLIYLVSFGLSLSVL
PGNIISALLMDRIGRLKMIGGSMLISAVCCFFLFFGNSESAMIGWQCLFC
GTSIAAWNALDVITVELYPTNQ RATAFGILNGLCKFGAILGNTIFASFVG
ITKVVPIILLAAASLVGGGLIALRLPETREQVLM

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**

SV2B

Full Name

Synaptic vesicle glycoprotein 2B

Introduction

This gene encodes a member of the synaptic vesicle proteins 2 (SV2) family and major facilitator superfamily of proteins. This protein and other members of the family are localized to synaptic vesicles and may function in the regulation of vesicle trafficking and exocytosis. Studies in mice suggest that the encoded protein may act as a protein receptor for botulinum neurotoxin E in neurons, and that this protein may be important for the integrity of the glomerular filtration barrier. This gene shows reduced expression in areas of synaptic loss in the hippocampus of human temporal lobe epilepsy patients.

Alternative Names

SV2B; HsT19680; synaptic vesicle protein 2B homolog; KIAA0735; Synaptic vesicle glycoprotein 2B

Gene ID

[9899](#)

UniProt ID

[Q7L1I2](#)