

Product Information

MemDX™ Membrane Protein Human SYP (Synaptophysin) Full Length

Cat. No.: **MPC1765K**

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

This product is a 33.8 kDa Human SYP 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

SYP

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

33.8 kDa

TMD

4

Sequence

MLLLADMDVVNQLVAGGQFRVVKEPLGFVKVLQWVFAIFAFATCGSYSGE
LQLSVDCAKNTESDLSIEVEFEYPFRLHQVYFDAPTCRGGTTKVFLVGDY
SSSAEFFVTAVFAFLYSMGALATYIFLQNKYRENNKGPMFLATAVFA
FMWLVSSSAWAKGLSDVKMATDPENIIKEMPVCRQTGNTCKELRDPVTSG
LNTSVVFGFLNLVLWVGNLWVFKETGWAAPFLRAPPGAPEKQPAPGDAY
GDAGYGQGPGGYGPQDSYGPQGGYQPDYGPAGSGGSGYGPQGDYGQQGY
GPQGAPTSFSNQM

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**

SYP

Full Name

Synaptophysin

Introduction

This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with an X-linked form of cognitive disability.

Alternative Names

SYP; MRX96; MRXSYP; major synaptic vesicle protein P38; Synaptophysin

Gene ID

[6855](#)

UniProt ID

[P08247](#)