

Product Information

MemDX™ Membrane Protein Human SYT1 (Synaptotagmin 1) Full Length

Cat. No.: **MPC3553K**

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

This product is a made-to-order Human SYT1 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

SYT1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MVSESHHEALAAPPVTTVATVLP SNATEPASPGE GKEDAFSKLKEKFMNE
LHKIPLPPWALIAIAIVALLVLTCCFCICKKCLFKKKNNKKKGKEKGGKN
AINMKDVKDLGKTMKDQALKDDDAETGLTDGEEKEEPKEEEKLGKLQYSL
DYDFQNNQLLVGIIQAAELPALDMGGTSDPYVKVFLLPDKKKKFETKVHR
KTLNPFVNEQFTFKVPYSELGGKTLVMAVYDFDRFSKHDIIGEFKVPMT
VDFGHVTEEWRDLQSAEKEEQEKLGDICFSLRYVPTAGKLTVVILEAKNL
KKMDVGGLSDPYVKIHLMQNGKRLKKKKTITKNTLNPYYNESFSFEVPF
EQIQKVQVVVTLDYDKIGKND AIGKVFVGYNSTGAELRHWSMDLANPRR
PIAQWHTLQVEEEVDAMLAVKK

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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**

SYT1

Full Name

Synaptotagmin 1

Introduction

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse.

Alternative Names

SYT1; P65; SYT; BAGOS; SVP65; synaptotagmin-1; synaptotagmin I; sytl; Synaptotagmin 1

Gene ID

[6857](#)

UniProt ID

[P21579](#)