

Product Information

MemDX™ Membrane Protein Human SYT8 (Synaptotagmin 8) Full Length

Cat. No.: **MPC4660K**

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

This product is a made-to-order Human SYT8 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

SYT8

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MLHLHGWQTMQGRKMGHPPVSPSAPAPAGTTAIPGLIPDLVAGTPWPRWA
LIAGALAAGVLLVSCLLCAACCCRRHRKKPRDKESVGLGSARGTTTTHL
VQPDVDGLESSPGDAQQWGCLQLSLEFDGFSQEIRVGLRQAADLRPGGT
DPYARVSVSTQAGHRHETKVHRGTLCPVFDETCFHIPQAELPGATLQVQ
LFNFKRFSGHEPLGELRLPLGTVDLQHVLEHWYLLGPPAATQPEQVGELC
FSLRYVPSSGRLTVVLEARGLRPGLAEPYVKVQLMLNQKWKKRKTATK
KGTAAPYFNEAFTFLVPFSQVQNVLDLAVWDRSLPLRTEPVGKVHLGAR
ASGQLQHWADMLAHARRPIAQRHPLRPAREVDRMLALQPRLRLRLPLPH
S

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**

SYT8

Full Name

Synaptotagmin 8

Introduction

This gene encodes a member of the synaptotagmin protein family. Synaptotagmins are membrane proteins that are important in neurotransmission and hormone secretion, both of which involve regulated exocytosis. Expression of the encoded protein in human pancreatic islets has been connected to activity of the promoter for the insulin gene, on the same chromosome several hundred kilobases away (PMID: 21336277 and 22928559). This association would link response to glucose to insulin secretion. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

SYT8; synaptotagmin-8; synaptotagmin VIII; sytVIII; Synaptotagmin 8

Gene ID

[90019](#)

UniProt ID

[Q8NBV8](#)