

Product Information

MemDX™ Membrane Protein Human SYT3 (Synaptotagmin 3) for Antibody Discovery

Cat. No.: **MP1037J**

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

This product is a 63.1 kDa Human SYT3 membrane protein expressed in HEK293T. 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

SYT3

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

63.1 kDa

TMD

1

Sequence

MSGDYEDDLRRLILVSDLCARVRDADTNDRCQEFNDRIRGYPRGPDADISVSLLSVIVTFCGIVLLGV
SLFVSWKLCWVPWRDKGGSAGVGGGPLRKDLGPGVGLAGLVGGGGHHLAAGLGGHPLLGGPHHHAAHHP
PFAELLEPGSLGSDTPEPSYLDMDSYPEAAAAVAAGVKPSQTSPELPSEGGAGSGLLLLPPSGGGLPS
AQSHQQVTSLAPTTRYPALPRPLTQQTLTSQPDPSSEERPPALPLPLPGGEEKAKLIGQIKPELYQGTGP
GGRRSGGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQAMDLPKDSNGFSDPYVKIYLLPDRKKK
FQTKVHRKTLNPVFNETFQFSVPLAELAQRKLHFSVYDFDRFSRHDIGQVVDNLLELAEQPPDRPLWR
DIVEGGSEKADLGELNFSCLYLPTAGRLTVTIKASNLKAMDLTGFSDPYVKASLISEGRRLKKRKTSIK
KNTLNPTYNEALVFDVAPESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKP
VEHWHQLVEEKTVTSFTKGSKGLSEKENSE

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SYT3

Full Name

Synaptotagmin 3

Introduction

Ca²⁺ sensor involved in Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain. Ca²⁺ induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes.

Alternative Names

SytIII

Gene ID

[84258](#)

UniProt ID

[Q9BQG1](#)