

Product Information

MemDX™ Membrane Protein Human SYT5 (Synaptotagmin 5) for Antibody Discovery

Cat. No.: **MP1074J**

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

This product is a 42.7 kDa Human SYT5 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

SYT5

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

42.7 kDa

TMD

1

Sequence

MFPEPPTPGPPSPDTPPDSSRISHGVPVPPWALATIVLVSGLLIFSCCFCLYRKSCRRRTGKKSQAQAQVH
LQEVKGLGQSYIDKVQPEVEELEPAPSGPGQQVADKHELQQLQYSLDYDFQSGQLLVGILQAMGLAALDL
GGSSDPYVRVYLLPDKRRRYETKVHRQTLNPHFGETFAFKVPYVELGGRVLVMAVYDFDRFSRND AIGEV
RVPMSVDLGRPVQAWRELQAAPREEQKLGDICFSLRYVPTAGKLTIVIVLEAKNLKKMDVGGGLSDPYVK
VHLLQGGKKVRKKKTTIKKNTLNPYYNEAFSFEVPCDQVQKVQVELTVLDYDKLGKNEAIGRVAVGAAAG
GAGLRHWADMLANPRRPIAQWHSRLRPPDRVRLLPAP

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**

SYT5

Full Name

Synaptotagmin 5

Introduction

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules.

Alternative Names

synaptotagmin 5; synaptotagmin V

Gene ID

[6861](#)

UniProt ID

[O00445](#)