

Product Information

MemDX™ Membrane Protein Human ESYT2 (Extended synaptotagmin 2)

Cat. No.: **MP0246J**

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

This product is a 98.7 kDa Human ESYT2 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

ESYT2

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

98.7 kDa

TMD

2

Sequence

MTPPSRAEAGVRRSRVPSEGRWRGAEPGGISASTQPASAGRAARHCGAMSGARGEPEAGAGGAGGRAAP
ENPGGVLSVELPGLLAQLARSFALLLPVYALGYLGLSFSWVLLALALLAWCRRSRGLKALRLCRALALLE
DEERVVRLGVRACDLPAAVHFPDTERAEWLNKTVKHMWPFICQFIEKLFRETIEPAVRGANTHLSTFSFT
KVDVGQQPLRINGVKVYTENVDKRQIILDLQISFVGNCIDLEIKRYFCRAGVKSIIHGTMRVILEPLI
GDMPLVGALSIFFLRKPLLEINWTGLTNLLDVPGLNGLSDTIILDIIISNYLVLPNRITVPLVSEVQIAQL
RFPVPKGVRLRIHFIEAQDLQGGKDTYLGKLVKGKSDPYGIIRVGNQIFQSRVIKENLSPKWNEVYEALVYE
HPGQELEIELFDEDPDKDDFLGSLMIDLIEVEKERLLDEWFTLDEVKPKGLHLRLEWLTLMPNASNLDKV
LTDIKADKDQANDGLSSALLILYDSARNLPSGKKISSNPNPVVQMSVGHKAQESKIRYKTNEPVWEENF
TFFIHNPKRQDLEVEVRDEQHQCPGLNKKVPLSQLLTSEDMTVSQRFQLGNSGPNSTIKMKIALRVLHLE
KRERPPDHQHSQAQVKRPSVSKEGRKTSIKSHMSGSPGPGGSNTAPSTPVIGGSDKPGMEEKAPPEAGPQ
GLHDLGRSSSSLLASPGHISVKEPTPSIASDISLPATQELRQRLRQLENGTTLGQSPLGQIQLTIRHSS
QRNKLIVVHACRNLIASFSEDGSDPYVRMYLLPDKRRSGRRKTHVSKKTLNPVFDQSFDFSVSLPEVQRR
TLDVAVKNSSGGFLSKDKGLLGKVLVALASEELAKGWTQWYDLTEDGTRPQAMT

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**

ESYT2

Full Name

Extended synaptotagmin 2

Introduction

Tethers the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane. Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport. Plays a role in FGF signaling via its role in the rapid internalization of FGFR1 that has been activated by FGF1 binding; this occurs most likely via the AP-2 complex. Promotes the localization of SACM1L at endoplasmic reticulum-plasma membrane contact sites (EPCS).

Alternative Names

E-Syt2; FAM62B; CHR2SYT; extended synaptotagmin-2; chr2 synaptotagmin; extended synaptotagmin like protein 2; extended synaptotagmin protein 2; family with sequence similarity 62 (C2 domain containing), member B

Gene ID

[57488](#)

UniProt ID

[A0FGR8](#)