

Product Information

MemDX™ Membrane Protein Human SYT14 (Synaptotagmin 14) Full Length

Cat. No.: **MPC4332K**

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

This product is a made-to-order Human SYT14 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

SYT14

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MAIEGGERTCGVHELICIRKVSPEAVGFLSAVGVFIIIMLLFLYINKKF
CFENVGGFPDLGSEYSTRKNSQDKIYNSYMDKDEHGSSSESEDEALGKYH
EALSRTHNSRLPLADSRQRNYAWETRQKYSPLSAEYDGYSSSEASIDEGNC
IQRMRRTPPLDELQPPPYQDDSGSPHLSCTPSEIGDSKCEFSHCSNSPRC
SYNKPSEGSTGHEIESFHNKGYEEDVPSDSTAVLSPEDMSAQGSSSQLP
KPFDPPEAKYGTLDVTFDYDSQEQKLLVTAVTDIPTYNRTGGNSWQV
HLVLLPIKKQRAKTSIQRGPCPVFTETFKFNHVESEMIGNYAVRFRLYGV
HRMKKEKIVGEKIFYLTKLNLQGKMSLPVILEPSYNHSGCDSQMSVSEMS
CSESTSSCQSLEHGSVPEILIGLLYNATTGRLSAEVIKGS HFKNLAANRP
PNTYVKLTLLNSMGQEMSKCKTSIRRGQPNPVYKETFFVQVALFQLSDVT
LILSVYNKRSMKRKEMIGWISLGLNSSGEEELNHWTEMKESKGQQVCRWH
ALLES

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**

SYT14

Full Name

Synaptotagmin 14

Introduction

This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate membrane trafficking in synaptic transmission. The encoded protein is a calcium-independent synaptotagmin. Mutations in this gene are a cause of autosomal recessive spinocerebellar ataxia-11 (SCAR11), and a t(1;3) translocation of this gene has been associated with neurodevelopmental abnormalities. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 4.

Alternative Names

SYT14; SCAR11; sytXIV; synaptotagmin-14; synaptotagmin XIV; Synaptotagmin 14

Gene ID

[255928](#)

UniProt ID

[Q8NB59](#)