SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human NIPA1 (NIPA magnesium transporter 1) Full Length

Cat. No.: **MPC0670K**
This product is for research use only and is not intended for diagnostic use.

This product is a 34.5 kDa Human NIPA1 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
NIPA1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
34.5 kDa

TMD
9

Sequence
MGTAAAAAAAAAAAAAGEGARSPSPAAVSLGLGVAVVSSLVNGSTFVLQK
KGIVRAKRRGTSYLTDIVWWAGTIAMAVGQIGNFLAYTAVPTVLVTPLGA
LGVPFGSILASYLLKEKLNILGKLGCLLSCAGSVVLIIHSPKSESVTTQA
ELEEKLTNPVFVGYLCIVLLMLLLLIFWIAPAHGPTNIMVYISICSLLGS
FTVPSTKGIGLAAQDILHNNPSSQRALCLCLVLLAVLGCSIIVQFRYINK
ALECFDSSVFGAIYYVVFTTLVLLASAILFREWSNVGLVDFLGMACGFTT
VSVGIVLIQVFKEFNFNLGEMNKSNMKTD

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

NIPA1

Full Name

NIPA magnesium transporter 1

Introduction

This gene encodes a magnesium transporter that associates with early endosomes and the cell surface in a variety of neuronal and epithelial cells. This protein may play a role in nervous system development and maintenance. Multiple transcript variants encoding different isoforms have been found for this gene. Mutations in this gene have been associated with autosomal dominant spastic paraplegia 6.

Alternative Names

FSP3; SPG6; SLC57A1; magnesium transporter NIPA1; non imprinted in Prader-Willi/Angelman syndrome 1; non-imprinted in Prader-Willi/Angelman syndrome region protein 1; spastic paraplegia 6 protein; NIPA1; NIPA magnesium transporter 1

Gene ID

123606

UniProt ID

Q7RTP0

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