

Product Information

MemDX™ Membrane Protein Human RTN4 (Reticulon 4) Full Length

Cat. No.: **MPC1357K**

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

This product is a 129.9 kDa Human RTN4 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

RTN4

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

129.9 kDa

TMD

2

Sequence

MEDLDQSPLVSSSDSPRPQPAFKYQFVREPEDEEEEEEEEEDEDEDLE
ELEVLERKPAAGLSAAPVPTAPAAGAPLMDFGNDFVPPAPRGPLPAAPPV
APERQPSWDPSPVSSTVPAPSPLSAAAVSPSKLPEDDEPPARPPPPPPAS
VSPQAEPVWTPPAPAPAAPPSTPAAPKRRGSSGSVDETLFALPAASEPVI
RSSAENMDLKEQPGNTISAGQEDFPSVLLETAASLPSLSPLSAASFKEHE
YLGNLSTVLPTEGTLQENVSEASKEVSEKAKTLLIDRDLTEFSELEYSEM
GSSFSVSPKAESAVIVANPREEIIIVKNKDEEEKLVSNILHNQQELPTAL
TKLVKEDEVVSSEKAKDSFNEKRVAVEAPMREEYADFKPFERVWEVKDSK
EDSDMLAAGGKIESNLESKVDKKCFADSLEQTNHEKDSSESSNDDTSFPST
PEGIKDRSGAYITCAPFNPAATESIATNIFPLLGDPTSENKTDEKKIEEK
KAQIVTEKNTSTKTSNPFVAAQDSETDYVTTDNLTKVTEEVVANMPEGL
TPDLVQEACESELNEVTGTKIAYETKMDLVQTSSEVMQESLYPAAQLCPSF
EESEATPSPVLPDIVMEAPLNSAVPSAGASVIQPSSSPLEASSVNYESIK
HEPENPPPYEEAMSVSLKKVSGIKEEIKEPENINAALQETEAPYISACD
LIKETKLSAEPAPDFSDYSEMAKVEQVPDPHSELVEDSSPDSEPVDLFSD
DSIPDVPPQKQDETVMVLKESLTETSFESMIEYENKEKLSALPPEGGKPYL
ESFKLSLDNTKDTLLPDEVSTLSKKEKIPLQMEELSTAVYSNDDLFISKE
AQIRETETFSDDSPIEIDEFPTLISSKTDSEFSKLAREYTDLEVSHKSEI
ANAPDGAGSLPCTELPHDLSLKNIQPKVEEKISFSDDFSKNGSATSISKVLL
LPPDVLSALATQAEIESIVKPKVLVKEAEKKLPDTEKEDRSPSAIFSAL
SKTSVVDLLYWRDIKKTGVVFGASLFLLSLTVFSIVSVTAYIALALLSV

TISFRIYKGVIAIQKSDEGHPFRAYLESEVAISEELVQKYSNSALGHVN
CTIKELRRLFLVDDLVDLKFVLMWVFTYVGALFNGLTLLILALISLFS
VPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAE

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

RTN4

Full Name

Reticulon 4

Introduction

This gene belongs to the family of reticulon encoding genes. Reticulons are associated with the endoplasmic reticulum, and are involved in neuroendocrine secretion or in membrane trafficking in neuroendocrine cells. The product of this gene is a potent neurite outgrowth inhibitor which may also help block the regeneration of the central nervous system in higher vertebrates. Alternatively spliced transcript variants derived both from differential splicing and differential promoter usage and encoding different isoforms have been identified.

Alternative Names

RTN4; ASY; NSP; NOGO; RTN-X; NSP-CL; RTN4-A; RTN4-C; RTN4-B1; RTN4-B2; NI220/250; Nbla00271; Nbla10545; reticulon-4; Human NogoA; My043 protein; foocen; neurite growth inhibitor 220; neurite outgrowth inhibitor; neuroendocrine-specific protein C homolog; reticulon 5; Reticulon 4

Gene ID

[57142](#)

UniProt ID

[Q9NQC3](#)