

## Product Information

### MemDX™ Membrane Protein Human RTN1 (Reticulon 1)

Cat. No.: **MP0164J**

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

This product is a 83.4 kDa Human RTN1 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

RTN1

##### Protein Length

Full-length

##### Protein Class

Transmembrane

##### Molecular Weight

83.4 kDa

##### TMD

2

##### Sequence

MAAPGDPQDELLPLAGPGSQWLRHRGEGENEAVTPKGATPAPQAGEPSPGLGARAREAAASREAGSGPARQ  
SPVAMETASTGVAGVSSAMDHTFSTTSKDGECSYTSISDICYPQEDSTYFTGILQKENGHVITISEP  
EELGTPGSLPDVPGIESRGLFSSDSGIEMTPAESTEVNKLADPLDQMKAAYKYIDITRPEEVKHQEQ  
HHPELEDKDLDFKNKDTDISIKPEGVREPDKPAPVEGKIKDHLLEESTFAPYIDDLSEEQRRAPQITTP  
VKITLTEIEPSVETTTQEKTPKQDICKPSPDTVPTVTVSEPEDDSPGSITPPSSGTEPSAAESQKGS  
ISEDELITAIKEAKGLSYETAENPRPVGQLADRPEVKARSGPPTIPSPLDHEASSAESGDSEIELVSEDP  
MAAEDALPSGYVSFGHVGGPPSPASPSIQYSILREEREAEALDSELIIESCDASSASEESPKREQDSPPM  
KPSALDAIREETGVRAEERAPSRRLAEPGSFLDYPSTEPQPGPELPPGDGALEPETPMLPRKPEEDSSS  
NQSPAATKGGPGLPGGAPPPLLFLNKQKAILLYWRDIKQTGIVFGSFLLLLSLTQFSVVSVVAYLALA  
ALSATISFRIYKSVLQAVQKTDGHPFKAYLELEITLSQEQIKYTDCLQFYVNSTLKLRLFLVQDLV  
DSLKFAVLMWLLTYVGALFNGLTLLMAVVSMTFLPVVYVKHQAQIDQYLGLVRTHINAVVAKIQAKIPG  
AKRHAE

#### 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**

RTN1

**Full Name**

Reticulon 1

**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. This gene is considered to be a specific marker for neurological diseases and cancer, and is a potential molecular target for therapy. Alternative splicing results in multiple transcript variants.

**Alternative Names**

NSP; neuroendocrine-specific protein

**Gene ID**

[6252](#)

**UniProt ID**

[Q16799](#)