

Recombinant Full Length Human RTN1 Protein, C-Flag-tagged

Cat. No. RTN1-891HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RTN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.4 kDa
AA Sequence	MAAPGDPQDELLPLAGPGSQWLRHRGEGENEAVTPKGATPAPQAGEPSPGLGAR AREAASREAGSGPARQ SPVAMETASTGVAGVSSAMDHTFSTTSKDGECSCTSLI SDICYPPQEDSTYFTGILQKENGHVITISEP EELGTPGPSLPDVPGLIESRGLFSSDS GIEMTPAESTEVNKLADPLDQMKA EAYKYIDITRPEEVKHQEQ HHPELEDKDLDFK NKDTDISIKPEGVREPDKPAPVEGKIIKDHLLEESTFAPYIDDLSEEQRRAPQITTP VKI TLTEIEPSVETTTQEKTPKQDICKPSPDTVPTVTVSEPEDDSPGSITPPSSGTEPS AAESQGKGS ISEDELITAIKEAKGLSYETAENPRPVGQLADRPEVKARSGPPTIPSPL DHEASSAESGDSEIELVSEDP MAAEDALPSGYVSFGHVGGPPPPSPASPSIQYSILRE

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EREAELDSELIIESCDASSASEESPKREQDSPPM KPSALDAIREETGVRAEERAPSR
 RGLAEPGSFLDYPSTEPQPGPELPPGDGALEPETPMLPRKPEEDSSS NQSPAATK
 GPGPLGPGAPPPLLFLNKQKAIDLLYWRDIKQTGIVFGSFLLLLFSLTQFSVVSVVAYL
 ALA ALSATISFRIYKSVLQAVQKTDEGHPPFKAYLELEITLSQEIQKYTDCLQFYVNST
 LKELRRFLVQDLV DSLKFAVLMWLLTYVGALFNGLTLLLMAVVSMFTLPVVYVKHQ
 AQIDQYLGLVRTHINAVVAKIQAKIPG
 AKRHAETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

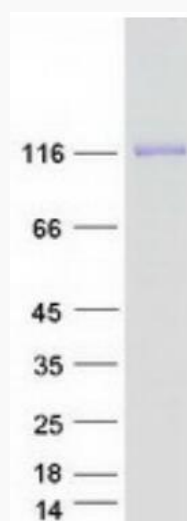
Gene Name	RTN1 reticulon 1 [Homo sapiens (human)]
Official Symbol	RTN1
Synonyms	NSP

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Gene ID	6252
mRNA Refseq	NM_021136.3
Protein Refseq	NP_066959.1
MIM	600865
UniProt ID	Q16799



Coomassie blue staining of purified RTN1 protein,