

Recombinant Human RTN1

Cat. No. RTN1-31317TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Reticulon 1 Isoform 3 with an N-terminal proprietary tag; predicted MWt 48.99 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	208 amino acids
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.
Molecular Weight	48.990kDa inclusive of tags
Tissue specificity	Expressed in neural and neuroendocrine tissues and cell cultures derived therefrom. Expression of isoform RTN1-C is strongly correlated with neuronal differentiation.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MQATADSTKMDCVWSNWKSQLIDLLYWRDIKQTGIVFGSF LLLLFSLTQFSVSVV AYLALAALSATISFRIYKSVLQAV QKTDEGHPFKAYLELEITLSQEQIQKYTDCLQFYV NSTLK ELRRLFLVQDLVDSLKFAVLMWLLTYVGALFNGLTLLMA VVSMFTLPVVYV KHQAQIDQYLGLVRTHINAVVAKIQAKI PGAKRHAE
Sequence Similarities	Contains 1 reticulon domain.

GENE INFORMATION

Gene Name	RTN1 reticulon 1 [Homo sapiens]
Official Symbol	RTN1
Synonyms	RTN1; reticulon 1; neuroendocrine specific protein , NSP; reticulon-1;
Gene ID	6252
mRNA Refseq	NM_021136
Protein Refseq	NP_066959
MIM	600865
Uniprot ID	Q16799
Chromosome Location	14q21-q22

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Function

signal transducer activity;

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