

Product datasheet for **SC216144**

RTN3 (NM_201428) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RTN3 (NM_201428) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RTN3
Synonyms:	ASYIP; HAP; NSPL2; NSPLII; RTN3-A1
ACCN:	NM_201428
Insert Size:	1711 bp



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Insert Sequence: >SC216144 3'UTR clone of NM_201428
 The sequence shown below is from the reference sequence of NM_201428. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTGGAATCGCCAAAAAAGGCAGAAATAGTACATGGAAACCAGAAATGCAACAGTTACTAAAACACC
ATTTAATAGTTATAACGTCGTTACTTGTACTATGAAGGAAAATACTCAGTGTGAGCTTGAGCCTGCATT
CCAAGCTTTTTTTTAAATTTGGTGTCTCCCATCCTTTCCCTTAAACCCTCAGTATCAAGCACAAAA
ATTGATGGACTGATAAAGAAGTATCTTAGAACTCAGAAGAAGAAAGAAATCAAATTCATAGGATAAGTC
AATACCTTAATGGTGGTAGAGCCTTTACCTGTAGCTTGAAGGGGAAAGATTGGAGGTAAGAGAGAAAA
TGAAAGAACACCTCTGGGTCCTTGTCCAGTTTTTCAGCACTAGTCTTACTCAGCTATCCATTATAGTT
TTGCCCTAAGAAGTCATGATTAACCTTATGAAAAAATTTTGGGGACAGGAGTGTGATACCTTCCTTG
GTTTTTTTTTGCAGCCCTCAAATCCTATCTTCCGCCCAATGTGAGCAGCTACCCCTGATACTCCT
TTTCTTTAATGATTTAACTATCAACTTGATAAAATAACTTATAGGTGATAGTGATAATTCCTGATTCCAA
GAATGCCATCTGATAAAAAAGAATAGAAATGGAAAGTGGGACTGAGAGGGAGTCAGCAGGCATGCTGCG
GTGGCGGTCACTCCCTCTGCCACTATCCCAGGGAAGGAAAGGCTCCGCCATTTGGGAAAGTGGTTTCT
ACGTCACTGGACACCGGTTCTGAGCATTAGTTTGAAGAACTCGTCCCGAATGTGCTTTCCCTCCCTCC
CCTGCCACCTCAAGTTTAAATAAAGTTGTACTTTTCTTACTATAAAAATAAATGTCTGTAACGTCT
GTGCACTGCTGTAACCTGTAGAGAAAAAATAACCTGCATGTGGGCTCCTCAGTTATTGAGTTTTTG
TGATCCTATCTCAGTCTGGGGGGAACATTCTCAAGAGGTGAAATACAGAAAGCCTTTTTTTCTTGATC
TTTTCCGAGATTCAAATCTCCGATCCCATTTGGGGCAAGTTTTTTTTTTCACCTTCAATATGAGAA
TTCAGCGAATTGAAAGAAAAATCATCTGTGAGTTCCTTCAGGTTCTCACTCATAGTCATGATCCTTCA
GAGGGAATATGCACTGGCGAGTTTAAAGTAAGGCTATGATATTTGATGGTCCCAAAGTACGGCAGCTG
CAAAAAGTAGTGAAGGAAATTGTCTACGTGTCTTGAAAAAATTAGTTAGGAATTTGGATGGGTAAGG
GTACCCTTGCTTACTCCATCTTATTTTCTAGCCCCCTTTGAGTGTTTAACTGGTTTCATGCTCTAG
TAGGAAGTGCATTCTCCATCCTCATCCTCTGCCCTCCAGGAAGTCAGTGATTGTCTTTTGGGCTTCC
CCTCAAAGGACCTTCTGCAGTGAAGTGCCACATCCAGTTCTTTTCTTTGTTGCTGCTGTGTTTAGA
TAATTGAAGAGATCTTTGTGCCACACAGGATTTTTTTTTTTTTTAAAGAAAAACCTATAGATGAAAAAT
TACTAATGAAACTGTGTGACGTGTCTGTGCGTGAACATAAAAAATACAGTAGCACCTAAGGAGCTTGA
ATCTTGGTTCCTGTAATAATTTCAAATTGATGTGGTATTAATAAAAAAAAAAAAAA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_201428.3](#)

Summary:

This gene belongs to the reticulon family of highly conserved genes that are preferentially expressed in neuroendocrine tissues. This family of proteins interact with, and modulate the activity of beta-amyloid converting enzyme 1 (BACE1), and the production of amyloid-beta. An increase in the expression of any reticulon protein substantially reduces the production of amyloid-beta, suggesting that reticulon proteins are negative modulators of BACE1 in cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, and pseudogenes of this gene are located on chromosomes 4 and 12. [provided by RefSeq, May 2012]

Locus ID:

10313

MW:

64