

Product datasheet for **SC216703**

RTN4RL1 (NM_178568) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RTN4RL1 (NM_178568) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RTN4RL1
Synonyms:	NgR3; NGRH2
ACCN:	NM_178568
Insert Size:	1849 bp



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Insert Sequence: >SC216703 3'UTR clone of NM_178568
 The sequence shown below is from the reference sequence of NM_178568. 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
ACACTGGGGCTGGCGGTCACTCTCCGCTGAGGACCCAGGGCGTCAGCACCCAGCACTGCCACATGTCCA
CCAAGGAACAGAAATTTATTTTCTCTTTTTTAAACAAGTGAAGATCTGCTGGGTTTCAGGAAAAGGCT
GGTAGAGCCTTCGGCTGTGTCTGGACGTCTGGACCCTGCCATGTGGATTATAAACCCAAAGTGTACAG
CCCTAGGCGGGAGGGGTGGCGCTTCTCAGCCGGCTGTCCAGCCAGCCCGCAGAGCGCCACGGACA
GTGTCCACTCTGGCAAGTGGGAAAAGGCACTCCAAGTGCATCTCCACTGGCAACAGTGGGACAATTG
CCCCGACGGCGGCACCGGGCTCTGTGGAATCCCGATCGTTCGAGAGGTCTGGAGGGCCCGTGGTT
CCTGGAGAAAGCAGGACGCAGAGAAGAACAATGAGGCTCACCCAGAGGCTGGGTGGCCAGCAGTCTG
GGCACACACGAGCAGGTGCATCTTGGCTCTTGCCTGAGGCCAGTCACCCTGCCCTGAATCTATCCTA
CTCCACCTTCAGCCCCTCCCTCGGGGTAGCGCTCTCATTCTGATGTCTCAGGCAACCCTGGCAGAC
CCAGGTCCAACCTGCTGGGGTCCAAGAACCAATTACCAAAGGAAAGATCATCAGAGGCTGAAATCTAGAA
CTTCATCCCGGCAATGAGGTTCTCACAGAAGGTGCAGTTTTATAACTAACTACGTCACCTTATATATA
TTCACACTCTACATATATATATATATATATATATATATATATATATATACACAAATGCACAGT
CCCCCTCCCACTCCGTTACCTAACTGTACGTCTTTTATGTTTATAAACTATACAGAAAAGTGTATTTG
CTGAACTAAGGATTGTATTGGTGATTTCTAGCAAAAACAAAGTATAGAAATTTTGTCTAGAATCCCAA
ACTGGCAACGATAGTCTCAAGGGACCTGGCCTTGCCAAGGGCTGGGGCAAGGTGTGGCGGGACGGT
GAGGAAGGGGGAGGCAGCAAGAGTCACTTTGGGGACCAATATTCTTAGATATTTAGAGCATCACCTTG
TTTTTATATGCAACACAAGCCTGTCTGCCACCCTGGAGCGCCCTGCACCCTGCTGCTGAGCTGTTG
GCTTCAGGGTGAGAAGTGAAGCAGCTTATTGTATATGAGGGAGCCAGGCCCGAGGGTGAAGCAGAT
GGAGAAGGGGAAGGAAGGGGCTTTGGGATCTGGAACCAGCAGGCCAGGCAGCATCCACAGTGTTAGTC
CAAAGGGTCGGACCGTGTGTCAGCCTAGCGTTTGGTCAGTGACGGCCTGGACGGGCAAGGAGACTCC
GGGCTTGAGCCAGGCCTCCCGCACGGCTCAGCTGCTGAATTTTCTTGAGGCTGTTTGGTGTGTGAC
CCAGCAAGGGCCCTGTGTGGACAGCAGGAGGGAGGCGTGGGGGCTTAGCAGAAGGGGAACAATGAG
GGCATTTCATGAACCATCTCAGGCACTTCTGCATCACGGAAGACCTGGCCCTCCAGCCGTCCTGGGGA
TGCTCAGGGTGCAGGCAGAGGCTCGGGAGCGGACTCAGGGTCAAGAAGCAGGGACTGGGGCAGGCGA
GCCCGACAGGGAAGAGGGGCTCCGATCAAAGCCGGCCGTGCTGCTGGCCGGGGCCAGGTGGGTACA
AGCTCCTTTGTGCTTTGCACAAACCTGAATCCCCACCAGAGAGGATGTGTGTGAGGAGCCAGAAACGC
TGAATCCAATTAAGAGAGAAAAATAATAATAACAATAAATGATCTTGGACAAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_178568.4](#)

Summary:

Cell surface receptor. Plays a functionally redundant role in postnatal brain development and in regulating axon regeneration in the adult central nervous system. Contributes to normal axon migration across the brain midline and normal formation of the corpus callosum. Protects motoneurons against apoptosis; protection against apoptosis is probably mediated by MAG. Plays a role in inhibiting neurite outgrowth and axon regeneration via its binding to neuronal chondroitin sulfate proteoglycans. Binds heparin (By similarity). Like other family members, plays a role in restricting the number dendritic spines and the number of synapses that are formed during brain development (PubMed:22325200). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed:22325200). [UniProtKB/Swiss-Prot Function]

Locus ID:

146760

MW:

67.1