

Product datasheet for **RN201439**

Rtn4r (NM_053613) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtn4r (NM_053613) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rtn4r
Synonyms:	NgR; NgR1; Nogor
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201439 representing NM_053613
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGAGGGCGTCTCCGGAGGAAGCCGGCTGCCGACATGGGTGTTATGGCTACAGGCCTGGAGGGTAG
CAACGCCCTGCCCTGGTGCCTGTGTGTGCTACAATGAGCCCAAGGTCACAACAAGCCGCCCCAGCAGGG
CCTGCAGGCTGTACCCGCTGGCATCCCAGCCTCCAGCCAGAGAATCTTCCTGCACGGCAACCGAATCTCT
TACGTGCCAGCCGCCAGCTTCCAGTCATGCCGGAATCTCACCATCCTGTGGCTGCACTCAAATGCCTGG
CCGGGATTGATGCCGCGGCCCTTCACTGGTCTGACCCTCCTGGAGCAACTAGATCTTAGTGACAATGCACA
GCTCCGTGTCGTGGACCCACCAGTTCCTGGCCTGGGCCACCTGCACACGCTGCACTAGACCGATGC
GGCCTGCAGGAGCTGGGGCTGGCCTATTCGTGGGCTGGCAGCTCTGCAGTACCTCTACCTACAAGACA
ACAACCTGCAGGCACTTCCGACAACACCTTCCGAGACCTGGGCAACCTCACGCATCTCTTCTGCATGG
CAACCGTATCCCAGTGTCTCCTGAGCACGTTTCCGTGGCTTGCACAGTCTTGACCGTCTCCTCTTGAC
CAGAACCATGTGGCTCGTGTGCACCCACATGCCTTCCGGGACCTTGGCCGACTCATGACCCCTACCTGT
TTGCCAACAACTCTCCATGCTCCCGCAGAGGTCCTAGTGCCCTGAGGTCTCTGCAGTACCTGCGACT
CAATGACAACCCCTGGGTGTGTGACTGCAGGGCACGTCGCTCTGGGCTGGCTGCAAGAAGTCCGAGGT
TCCTCATCCGGGGTGCCAGCAACCTACCCCAACGCTGGCAGGCCGTGATCTGAAGCGCTGGCTACCA
GTGACTTAGAGGGTTGTGCTGTGGCTTCGGGGCCCTTCCGTCCCTCCAGACCAATCAGTCACTGATGA
GGAGCTGTGGGCTCCCAAGTGTGCTGCCAGCCGGATGCTGCAGACAAGGCCCTCAGTACTGGAACCCGGG
AGGCCCGCGTCTGTTGAAATGCACTCAAGGGACGTGTGCCTCCCGGTGACACTCCACCAGGCAATGGCT
CAGGCCACGGCACATCAATGACTCTCCATTTGGGACTTTGCCCGGCTCTGCAGAGCCCCCACTGACTGC
CCTGCGGCTGGGGTTCCGAGCCCCGGGACTGCCACCACGGGCCCCCGCAGGAGGCCAGGTTGTTC
AGAAAGAACCGCACCCGTAGCCACTGCCGTCTGGGCCAGGCAGGAAGTGGGAGCAGTGGAACTGGGGATG
CAGAAGGTTGGGGGCCCTGCCTGCCCTGGCCTGCAGCCTTGCTCCTCTGGGCTGCACTGGTACTTTG
GACAGTGCTTGGGCCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1701_h01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053613

Insert Size: 1422 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053613.1](#), [NP_446065.1](#)

RefSeq Size: 1422 bp

RefSeq ORF: 1422 bp

Locus ID: 113912

UniProt ID: [Q99M75](#)

Cytogenetics: 11q23

Gene Summary: binds neuronal outgrowth inhibitor Nogo and mediates inhibition of axonal outgrowth and regeneration; may mediate axonal outgrowth inhibition by myelin [RGD, Feb 2006]