

Product datasheet for **SC126683**

Nogo Receptor (RTN4R) (NM_023004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nogo Receptor (RTN4R) (NM_023004) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nogo Receptor
Synonyms:	NGR; NOGOR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126683 sequence for NM_023004 edited (data generated by NextGen Sequencing)

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ATGAAGAGGGCGTCCGCTGGAGGGAGCCGGCTGCTGGCATGGGTGCTGTGGCTGCAGGCC
TGGCAGGTGGCAGCCCCATGCCAGGTGCCTGCGTATGCTACAATGAGCCCAAGGTGACG
ACAAGCTGCCCCAGCAGGGCTGCAGGCTGTGCCGTGGGCATCCCTGCTGCCAGCCAG
CGCATCTTCTGCACGGCAACCGCATCTCGCATGTGCCAGTGCCAGCTCCGCTCCGCTGCC
CGCAACCTCACCATCCTGTGGCTGCACTCGAATGTGCTGGCCCCGAATTGATGCGGTGCC
TTCACTGGCCTGGCCCTCCTGGAGCAGCTGGACCTCAGCGATAATGCACAGCTCCGGTCT
GTGGACCTGCCACATCCACGGCTGGGCCGCTACACACGCTGCACCTGGACCCTGTC
GGCCTGCAGGAGCTGGGCCGGGGCTGTTCCGCGGCTGGCTGCCCTGCAGTACCTCTAC
CTGCAGGACAACGCGCTGCAGGCACTGCCTGATGACACCTTCCGCGACCTGGGCAACCTC
ACACACCTCTTCTGCACGGCAACCGCATCTCCAGCGTGCCCGAGCGCGCCTTCCGTGGG
CTGCACAGCTCGACCGTCTCCTACTGCACCAGAACCAGCGTGGCCATGTGCACCCGCAT
GCCTTCCGTGACCTTGGCCGCTCATGACACTCTATCTGTTTGCACAAATCTATCAGCG
CTGCCACTGAGGCCCTGGCCCCCTGCGTGCCTGCAGTACCTGAGGCTCAACGACAAC
CCCTGGGTGTGTGACTGCCGGGACGCCACTCTGGGCCTGGCTGCAGAAGTTCCGCGGC
TCCTCCTCCGAGGTGCCCTGCAGCTCCCGCAACGCTGGCTGGCCGTGACCTCAAACGC
CTAGCTGCCAATGACCTGCAGGGCTGCGCTGTGGCCACCGGCCCTTACCATCCCATCTGG
ACCGGCAGGGCCACCGATGAGGAGCCGCTGGGGCTTCCCAAGTGTGCCAGCCAGATGCC
GCTGACAAGGCCCTCAGTACTGGAGCCTGGAAGACCAGCTTCGGCAGGCAATGCGCTGAAG
GGACGCGTGCCGCGCGGTGACAGCCCGCGGCAACGGCTCTGGCCACGGCACATCAAT
GACTCACCTTTGGGACTCTGCCTGGCTCTGCTGAGCCCCGCTCACTGCAGTGGCGCC
GAGGGCTCCGAGCCACCAGGGTTCCCCACCTCGGGCCCTCGCCGGAGGCCAGGCTGTTCA
CGCAAGAACCAGCCCGCAGCCACTGCCGTCTGGGCCAGGCAGGCAGCGGGGTGGCGGG
ACTGGTGACTCAGAAGGCTCAGGTGCCCTACCCAGCCTACCTGCAGCCTCACCCCTG
GGCCTGGCGCTGGTGTGTGGACAGTGCTTGGGCCCTGCTGA
    
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Clone variation with respect to NM_023004.5

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_023004 unedited
NTGTCCGATTTGTATACGATTTATATAGGGCGGCCGGAATTCGCACGAGATGAAGAGG
TGTCCGCTGGAGGGAGCCGGCTGCTGGCATGGGTGCTGTGGCTGCAGGCCTGGCAGGTGG
CAGCCCCATGCCAGGTGCCTGCGTATGCTACAATGAGCCCAAGGTGACGACAAGCTGCC
CCCAGCAGGGCTGCAGGCTGTGCCGTGGGCATCCCTGCTGCCAGCCAGCGCATCTTCC
TGCACGGCAACCGCATCTCGCATGTGCCAGTGCCAGCTCCGCTGCCGCAACCTCA
CCATCCTGTGGCTGCACTCGAATGTGCTGGCCCCGAATTGATGCGGTGCCCTCACTGGCC
TGGCCCTCCTGGAGCAGCTGGACCTCAGCGATAATGCACAGCTCCGGTCTGTGGACCTG
CCACATTCACAGCCTGGGCCGCTACACACGCTGCACCTGGACCCTGCGGCCTGCAGG
AGCTGGGCCCGGGCTGTTCCGCGGCTGGCTGCCCTGCAGTACCTCTACCTGCAGGACA
ACGCGCTGCAGGCACTGCCTGATGACACCTTCCGCGACCTGNGCAACCTCACACCTCT
TCCTGCACGGCAACCGCATCTCCAGCGTGCCCGAGCGCGCCTTCCGTGGGCTGCACAGCC
TCGACCGTCTCCTACTGCACCAGAACCAGCGTGGCCATGTGCACCCGCATGCCTTCCGTG
ACCTTGGCCGCTCATGACACTCTATCTGTTTGCACAAATCTATCAGCGCTGCCCACT
GAGCCCTGGCCCCCTGCGTGCCTGCAGTACCTGAGGCTCAACGANACCCCTGGGTGT
GTGACTGCCGNGCCGNCACCTTGGCCTGCCTGCAGAAGATCGCGTNCCTCCGAGTG
CCCTGCAGCCTCCGCAGCCTGGCTGGCCGTGACTCAN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_023004 unedited AACGTACACTATGNACGCGGCCGAATCTAAGATCGGTTTTTTTTTTTTTTTTAAAAA AAGACTCTTTATCCACGTCGTCGGATATTTTACACAAGTAAAAATAAATGCATATCTC TATATACCGCATCTGGGTGGGAGGCGCGTCTGGAACAAACGCTGCCGCCAACCCCTG TAAACATGATGGGGTGGAGATGGGGTGGCGGGCGGCAGGCGTCCATCAGGGAGGACCTG GCCTGGCTGCCCCACGGGTCGGCCGCCGGCTGGCTTGGCGGCGTGGAGAGAGACCCCG TATGTACACACACCTGGCTGCTGAGCACGCTCTGTGTCCGCTGGGGGTGAGCAGGGCCC AAGCACTGTCCACAGCACCCAGCGCCAGGCCAGGGGGTGGAGGCTGCANGTGAGGCTGGG TAGGGCACCTGAGCCTTCTGAGTCAACAGTCCCGCCACCCCGCTGCCTGCCTGGCCAT ACGGCAGTGGCTGCGGGTGGCGTCTTTCGTGAACAGCCTGGCCTCCGGCGAGGGCCGA GGTGGGAACCCCTGGTGGCTCGGAGCCCTCGGGCCGCACTGCAGTGAGCGGGGGCTCATC AGAGCCAGGCAGAGTCCCAAAGGGTGGTCAATTGATGTGCCGTGGGCCAGATCCGTTGCC CGGCGGGTGTACCGGGCGGCACGCGTCCCTCAGCGCATTGCCTGGCGAAACTGGTCT TCCAGGGCTCAGTACTAGAGCCTTGTGAGCGGCATCTGGCTGGCAGCACTGGGAAGCCC CAGCGGCTCCTCATCGGTGCCCTGCCGTCCTCAATGGGAATGTTAGGGCCGGTTGTCCA CAGCGCACCCCTGCAGGTATTGCACACTAGGCCTTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_023004
Insert Size:	1750 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:	<ol style="list-style-type: none"> 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_023004.5 , NP_075380.1
RefSeq Size:	1924 bp
RefSeq ORF:	1422 bp
Locus ID:	65078
UniProt ID:	Q9BZR6
Cytogenetics:	22q11.21
Domains:	LRRCT, LRR, LRR_TYP
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes the receptor for reticulon 4, oligodendrocyte myelin glycoprotein and myelin-associated glycoprotein. This receptor mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. [provided by RefSeq, Jul 2008]