

Product datasheet for **RC204589**

Netrin G2 (NTNG2) (NM_032536) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin G2 (NTNG2) (NM_032536) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Netrin G2
Synonyms:	bA479K20.1; LHLL9381; Lmnt2; NEDBASH; NTNG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC204589 representing NM_032536
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCATCTGCTGGCGCTCTTCTGCACTGCCTCCCTGCGCCTCTGGGGACTATGACATCTGCAAA
 CCTGGGTGACCACAGATGAGGGCCACCTGGGAGTTCTACGCCTGCCAGCCCAAGGTGATGCGCCTGAA
 GGACTACGTCAAGGTGAAGGTGGAGCCCTCAGGCATCACATGTGGAGACCCCTGAGAGTTCTGCTCC
 CATGAGAATCCCTACCTATGCAGCAACGAGTGTGACGCCTCAACCCGGACCTGGCCACCCGCCAGGC
 TCATGTTGACAAGGAGGAGGAGGGCCTGGCCACCTACTGGCAGAGCATCACTGGAGCCGCTACCCAG
 CCCGCTGGAAGCCAACATCACCTTTCTGGAACAAGACCGTGGAGTGACCGACGACGTGGTGATGACC
 TTCGAGTACGGCCGGCCACGGTCATGGTCTGGAGAAGTCCCTGGACAACGGGCGCACCTGGCAGCCCT
 ACCAGTTCTACGCCGAGGACTGCATGGAGGCTTCGGTATGTCCGCCCGCCGGCCCGGACATGTCATC
 CTCAGCGCGCACCGGCTCTGCACCGAGGAGTACTCGCGCTGGCAGGCTCCAAGAAGGAGAAGCAC
 GTGCGCTTCGAGGTGCGGGACCGCTTCGCCATCTTTGCCGGCCCGACCTGCGCAACATGGACAACCTCT
 ACACCGGCTGGAGAGCGCAAGGGCTCAAGGAGTTCTCACCCCTACCGACCTGCGCATGCGGGTCTGT
 GCGCCCGGCGCTGGGCGGCACCTATGTGACGCGGAGAACCTCTACAAGTACTTCTACGCCATCTCCAAC
 ATCGAGGTGATCGGCAGGTGCAAGTGAACCTGCACGCCAACCTGTGCTCCATGCGCGAGGGCAGCCTGC
 AGTGCGAGTGCGAGCACAAACACCACCGGCCCGACTGCGCAAGTGAAGAAGAATTTCCGCACCCGGTC
 CTGGCGGGCCGGCTCTACCTGCCGCTGCCCATGGCTCTCCAACGCCTGTGCCACTGCAGTTCTTT
 GGCAACTGCGAATGCTACGGTCACTCAACCGCTGCAGCTACATTGACTTCCTGAATGTGGTGACCTGCG
 TCAGCTGCAAGCACAAACACCGGAGGTGAGCACTGCCAGCACTGCCGGCTGGGCTACTACCGCAACGCTC
 GGCAGAGCTGGATGATGAGAACGCTGCAATTGAGTGTAAGTGAACCTGCAACCAGATAGGCTCCGTGCACGACCGG
 TGAACGAGACCGGCTTCTGCGAGTGCCGCGAGGGCGCGCGGGCCCAAGTGCAGCAGTGCCTCCCCA
 CGCACTACTGGCGCCAGGGCTGTACCCCAACGTGTGCGACGACGACCAGCTGCTGTGCCAGAACGGAGG
 CACCTGCCTGCAGAACGCGCTGCGCCTGCCCGCGGGCTACACCGGCTGCGCTGCGAGCAGCCCGC
 TGCGACCCCGCGACGATGACGGCGGTCTGGACTGCGACCGCGCGCCGGGGCCGCCCGCCCGCCCA
 CCCTGCTCGGCTGCTGCTGCTGGGCTGGCCGCCCGCTGGGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204589 representing NM_032536
 Red=Cloning site Green=Tags(s)

MLHLLALFLHCLPLASGDYDICKSWVTTDEGPTWEFYACQPKVMRLKDYVKVKEVPSGITCGDPPERFCS
 HENPYLCSNECDASNPDLAHPRLMFDKEEGLATYQWSTWRSYSPLEANITLWNKTVELTDDVMT
 FEYGRPTVMLEKSLDNGRTWQPYQFYAEDCMEAFGMSARRARDMSSSAHRVLCCTEYSRWAGSKKEKH
 VRFEVDRDFAIFAGPDLRMDNLYTRLESAGLKEFFTLTDLRMRLLRPALGGTYVQRENLYKYFYAISN
 IEVIGRCKCNLHANLCSMREGSLQCEEHNTTGPDCGKCKNFRTRSWRAGSYLPLPHGSPNACATAGSF
 GNCECYGHSNRCSYIDFLNVVTCVSKHNTRGQHCQHCRLGYRNGSAELDDENVICENCNQIGSVHDR
 CNETGFCECREGAAGPKCDDCLPTHYWRQGCYPNVCDLQLLCQNGGTCLQNRACPRGYTGVRCEQPR
 CDPADDDGGLDCDRAPGAAPRPATLLGCLLLLGLAARLGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8102_h08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_032536

ORF Size: 1590 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_032536.4](#)

RefSeq Size: 3113 bp

RefSeq ORF: 1593 bp

Locus ID: 84628

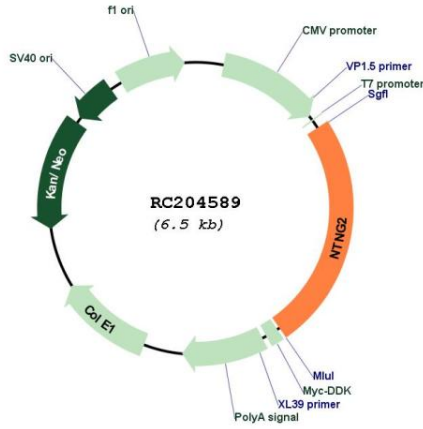
UniProt ID: [Q96CW9](#)

Cytogenetics: 9q34.13

MW: 59.8 kDa

Gene Summary: Involved in controlling patterning and neuronal circuit formation at the laminar, cellular, subcellular and synaptic levels. Promotes neurite outgrowth of both axons and dendrites. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC204589