

Product datasheet for **SC114761**

Netrin G1 (NTNG1) (NM_014917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin G1 (NTNG1) (NM_014917) Human Untagged Clone
Tag:	Tag Free
Symbol:	Netrin G1
Synonyms:	Lmnt1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014917, the custom clone sequence may differ by one or more nucleotides

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ATGTATTTGTCAAGATTCCTGTCGATTCATGCCCTTTGGGTTACGGTGTCTCAGTGATGCAGCCCTACC
CTTTGGTTTGGGACATTATGATTTGTGAAGACTCAGATTTACACGGAAGAAGGAAAGTTGGGATTA
CATGGCCTGCCAGCCGGAATCCACGGACATGACAAAATATCTGAAAGTAAAAGTCCGATCCTCCGGATATT
ACCTGTGGAGACCCTCCTGAGACGTTCTGTGCAATGGGCAATCCCTACATGTGCAATAATGAGTGTGATG
CGAGTACCCTGAGCTGGCACACCCCCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT
TTGGCAGTCTGCCACTTGAAGGAGTATCCCAAGCCTCTCCAGGTTAACATCACTCTGTCTGGAGCAA
ACCATTGAGCTAACAGACAACATAGTTATTACCTTTGAATCTGGGCGTCCAGACCAAATGATCCTGGAGA
AGTCTCTCGATTATGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCTTAGATGCTTTTCA
CATGGATCCTAAATCCGTGAAGGATTTATCACAGCATACGGTCTTAGAAATCATTTCACAGAAAGAGTAC
TCAACAGGGTATACAACAAATAGCAAAATATCCACTTTGAAATCAAAGACAGGTTCCGCTTTTTGCTG
GACCTCGCTACGCAATATGGCTTCCCTCTACGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT
TACAGTCACAGACCTGAGGATAAGGCTGTTAAGACCAGCCGTTGGGAAATATTTGTAGATGAGCTACAC
TTGGCAGCTACTTTTACGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAATCTCCATGCCA
CTGTATGTGTGTATGACAACAGCAAATTGACATGCGAATGTGAGCACAACACTACAGTCCAGACTGTGG
GAAATGCAAGAAGATTATCAGGGCCGACCTTGGAGTCCAGGCTCTATCTCCCCATCCCCAAAGGCAT
GCAAATACCTGTATCCCCAGTATTTCCAGTATTGGTACGAATGTCTGCGACAACGAGCTCCTGCACTGCC
AGAACGGAGGGACGTGCCACAACAACGTGCGCTGCCTGTGCCCGCCGCATACACGGGCATCCTCTGCGA
GAAGCTGCGGTGCGAGGAGGCTGGCAGCTGCGGCTCCGACTCTGGCCAGGGCGCGCCCCGACGGCTCC
CCAGCGCTGCTGCTGCTGACCACGCTGCTGGGAACCGCCAGCCCCCTGGTGTCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014917 unedited NGGGTCAAATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCTCCGAGA GGGGGCGACTTGCAGGAGGCTCCCCCGGGGGCGGAGGCGAAGGGTGTTGGTGCCAGAAG AAAAGAATGATTGATGGGAAACAGACACCGGGCTATAGACTCATCCTTTTGCTTCAGA TACTGATATCTCAGCCTGCTTGAGCATCCCTTGAGCTGTGAACATTGAGGATCACTCA GGGTTATCGGATGTACAACGGGAGAGCCATCGCTTTGCTAAATTATTATCTGCAATTGGA CATCTTTTACAAAACCAAACTAGACCTGAGTCTAATAGATATGTTCTAAGACAAAGAAA AAGCTGCAAGTTGTTAACGCCTAACACACAAGTATGTTAGGCTTCCACCAAAGTCCTCAA TATACCTGAATACGCACAATATCTTAACTTTCATATTTGGTTTTGGGATCTGCTTTGAG GTCCCATCTTCATTTAAAAAAAATACAGAGACCTACCTACCCGTACGCATACATACATA TGTGTATATATGTAACTAGACAAAGATCGCAGATCATAAAGCAAGCTCTGCTTTAGT TTCCAAGAAGATTACAAAGAATTTAGAGATGTATTTGTCAAGATTCCTGTGCGATTATGC CCTTTGGGTTACGGTGCCTCAGTGATGCAGCCCTACCCTTTGGTTTGGGGACATTATGA TTTGTGAAGACTCAGATTTACACGGAAGAAGGGGAAGTTTGGGATTACATGGCCTGCCA GCCGGNAATCCACGGACATGACAAAATCTGAAAGTGAACTCGATCCTCCGGATATTACC TGTGGAGACCCTNCTGAGACGTTCTGTGCATGGGCATCCNCTACTGTGCATATGAGTGGA TCGGAGTACCCTGAGCTGCACACCCCTGAGCTGA
Restriction Sites:	EcoRI-NOT
ACCN:	NM_014917
Insert Size:	4110 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_014917.1 , NP_055732.1
RefSeq Size:	3015 bp
RefSeq ORF:	3015 bp
Locus ID:	22854
UniProt ID:	Q9Y2I2
Cytogenetics:	1p13.3
Domains:	EGF_Lam, laminin_Nterm
Protein Pathways:	Axon guidance

Gene Summary:

This gene encodes a preproprotein that is processed into a secreted protein containing eukaryotic growth factor (EGF)-like domains. This protein acts to guide axon growth during neuronal development. Polymorphisms in this gene may be associated with schizophrenia. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

[provided by RefSeq, Aug 2015]

Transcript Variant: This variant (3) contains a longer 5' UTR and lacks two exons in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (G1c) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.