

Product datasheet for **SC304867**

Netrin G1 ligand (LRRC4C) (NM_020929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin G1 ligand (LRRC4C) (NM_020929) Human Untagged Clone
Tag:	Tag Free
Symbol:	Netrin G1 ligand
Synonyms:	NGL-1; NGL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020929 edited
 AAATTATGAATGTTGAACAAGATGACCTTACATCCACAGCAGATAATGATAGGTCCTAGG
 TTTAACAGGGCCCTATTTGACCCCTGCTTGTGGTGTGCTGGCTCTTCAACTTCTTGTG
 GTGGCTGGTCTGGTGCGGGCTCAGACCTGCCCTTCTGTGTGCTCCTGCAGCAACCAGTTC
 AGCAAGGTGATTTGTGTTTCGGAACCTGCCTGAGGTTCCGGATGGCATCTCCACCAAC
 ACACGGCTGCTGAACCTCCATGAGAACCAATCCAGATCATCAAAGTGAACAGCTTCAAG
 CACTTGAGACACTTGAAATCCTACAGTTGAGTAGGAACCATATCAGAACCATTGAAATT
 GGGGCTTTCAATGGTCTGGCGAACCTCAACACTCTGGAACCTTTTGACAATCGTCTTACT
 ACCATCCCGAATGGAGCTTTTGTATACTTGTCTAAACTGAAGGAGCTCTGGTTGCGAAAC
 AACCCATTGAAAGCATCCCTTCTTATGCTTTTAAACAGAATTCCTTCTTTGCGCCGACTA
 GACTTAGGGGAATTGAAAAGACTTTTACATCTCAGAAGGTGCCTTTGAAGGTCTGTCC
 AACTTGAGGTATTTGAACCTTGCCATGTGCAACCTTCGGGAAATCCCTAACCTCACACCG
 CTCATAAACTAGATGAGCTGGATCTTTCTGGGAATCATTTATCTGCCATCAGGCCTGGC
 TCTTTCCAGGGTTTGTATGCACCTTCAAAAAGTGGATGATACAGTCCCAGATTCAAGT
 ATTGAACGGAATGCCTTTGACAACCTTCAGTCACTAGTGGAGATCAACCTGGCACACAAT
 AATCTAACATTACTGCCTCATGACCTCTTCACTCCCTTGATCATCTAGAGCGGATACAT
 TTACATCAACAACCTTGGAACTGTAACCTGTGACATACTGTGGCTCAGCTGGTGGATAAAA
 GACATGGCCCCCTCGAACACAGCTTGTGTGCCCCGGTGTAACTCCTCCCAATCTAAAG
 GGGAGGTACATTGGAGAGCTCGACCAGAATTACTTACATGCTATGCTCCGGTGATTGTG
 GAGCCCCCTGCAGACCTCAATGTCACTGAAGGCATGGCAGCTGAGCTGAAATGTCGGGCC
 TCCACATCCCTGACATCTGTATCTTGGATTACTCCAAATGGAACAGTCATGACACATGGG
 GCGTACAAAGTGGGATAGCTGTGCTCAGTGTGTTACGTTAAATTTACAAATGTAACCT
 GTGCAAGTACAGGCATGTACACATGTATGGTGAGTAATTCGGTTGGGAATACTACTGCT
 TCAGCCACCCTGAATGTTACTGCAGCAACCACTACTCCTTTCTTACTTTTCAACCGTC
 ACAGTAGAGACTATGGAACCGTCTCAGGATGAGGCACGGACCACAGATAACAATGTGGGT
 CCCACTCCAGTGGTGCAGTGGGAGACCACCAATGTGACCACCTCTCTCACACCACAGAGC
 ACAAGGTGCAGAGAGAAAACCTTACCATCCCAGTACTGATATAAACAGTGGGATCCCA
 GGAATTGATGAGGTGATGAAGACTACCAAAATCATCATTGGGTGTTTTGTGGCCATCACA
 CTCATGGCTGCAGTGTGCTGGTCATTTTCTACAAGATGAGGAAGCAGCACCATCGGCAA
 AACCATCACGCCCAACAAGGACTGTTGAAATTATTAATGTGGATGATGAGATTACGGGA
 GACACACCCATGGAAGCCACCTGCCATGCCTGCTATCGAGCATGAGCACCTAAATCAC
 TATAACTCATACAAATCTCCCTTCAACCACACAACAACAGTTAACACAATAAATCAATA
 CACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAACTCTAAAGACAATGTACAAGAG
 ACTCAAATCTAAAACATTTACAGAGTTACAAAAACAACAATCAAAAAAAGACAGTT
 TATTAATAATGACACAAATGACTGGGCTAAATCTACTGTTTCAAAAAAGTGTCTTTACAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_020929
Insert Size: 2000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020929.1.
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_020929.1 , NP_065980.1
RefSeq Size:	4054 bp
RefSeq ORF:	1923 bp
Locus ID:	57689
UniProt ID:	Q9HCJ2
Cytogenetics:	11p12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>NGL1 is a specific binding partner for netrin G1 (NTNG1; MIM 608818), which is a member of the netrin family of axon guidance molecules (Lin et al., 2003 [PubMed 14595443]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript. Variants 1 and 2 encode the same protein.</p>