

Product datasheet for **SC314262**

Netrin 4 (NTN4) (NM_021229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin 4 (NTN4) (NM_021229) Human Untagged Clone
Tag:	Tag Free
Symbol:	Netrin 4
Synonyms:	PRO3091
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_021229 edited
 ATGGGGAGCTGCGCGCGCTGCTGCTGCTCTGGGGCTGCACGGTGGTGGCCGAGGACTG
 AGTGGAGTAGCTGATGAGTCCCGCTGTGAAAAAGCCTGCAACCCTCGGATGGGAAAT
 TTGGCTTTGGGGCGAAAACCTCTGGGCAGACACCACCTGCGGTGAGAAATGTACCGAACTG
 TACTGCTTCTACAGTGAGAACACGGATCTGACTTGTGGCAGCCCAAATGTGACAAGTGC
 AATGCTGCCTATCCTCACCTGGCTCACCTGCCATCTGCCATGGCAGACTCATCCTCCGG
 TTTCTCGCACATGGTGGCAGTCTGCGGAGGATGTGCACAGAGAAAAGATCCAGTTAGAC
 CTGGAAGCTGAATTCTACTTCACTCACCTAATTGTGATGTTCAAGTCCCCAGGCCGGCT
 GCCATGGTGTGGACCGCTCCCAGGACTTTGGGAAAACATGGAAGCCTTATAAGTACTTT
 GCGACTAACTGCTCCGCTACATTTGGCCTGGAAGATGATGTTGTCAAGAAGGGCGCTATT
 TGTACTTCTAAATACTCCAGTCTTTTCCATGCACTGGAGGAGAGGTTATTTTCAAAGCT
 TTGTACCACCATACGATACAGAGAACCCTTACAGTGCCAAAGTTCAGGAGCAGCTGAAG
 ATCACCAACCTTCGCGTGCAGTCTGAAACGACAGTCTTGTCCCTGTCAGAGAAATGAC
 CTGAACGAAGAGCCTCAACATTTTACACACTATGCAATCTATGATTTTATTGTCAAGGGC
 AGCTGCTTCTGCAATGGCCACGCTGATCAATGCATACCTGTTTCATGGCTTCAGACCTGTC
 AAGGCCCCAGGAACATTCACATGGTCCATGGGAAGTGTATGTGTAAAGCAACACAGCA
 GGCAGCCACTGCCAGCACTGTGCCCCGTTATACAATGACCGGCCATGGGAGGCAGCTGAT
 GGCAAAACGGGGGCTCCCAACGAGTGCAGAACCTGCAAGTGAATGGGCATGCTGATACC
 TGTCACTTCGACGTTAATGTGTGGGAGGCATCAGGGAATCGTAGTGGTGGTGTCTGTGAT
 GACTGTGACGACAAACACAGAAGGACAGTATTGCCAGAGGTGCAAGCCAGGCTTCTATCGT
 GACCTGCGGAGACCCTTCTCAGCTCCAGATGCTTGCAAACCGTGTTCCTGCCATCCAGTA
 GGATCAGCTGTCTTCTGCCAACTCAGTGACCTTCTGCGACCCAGCAATGGTGACTGC
 CCTTGCAAGCCTGGGGTGGCAGGGCGACGTTGTGACAGGTGCATGGTGGGATACTGGGGC
 TTCGGAGACTATGGCTGTGACCATGTGACTGTGCGGGGAGCTGTGACCCTATCACCGGA
 GACTGCATCAGCAGCCACACAGACATAGACTGGTATCATGAAGTTCCTGACTTCCGTCCC
 GTGCACAATAAGAGCGAACCAGCCTGGGAGTGGGAGGATGCGCAGGGGTTTTCTGCACTT
 CTACACTCAGGTAATGCGAATGTAAGGAACAGACATTAGGAAATGCCAAGGCATTCTGT
 GGAATGAAATATTCATATGTGCTAAAAATAAGATTTTATCAGCTCATGATAAAGGTA
 CATGTTGAGGTCAATGTGAAGATTAAGAAAGTCTTAAAACTACCAAACGAAGATTTTC
 CGAGGAAAGCGAACATTATCCAGAATCATGGACGGACAGAGGATGCACTTGTCCAATC
 CTAATCTGGTTTGAATACCTTGTAGCAGGACATGAGGATATAAGAACAGGCAAACTA
 ATTGTGAATATGAAAAGCTTTGTCCAGCACTGGAAACCTTCTCTTGAAGAAAAGTCATG
 GATATTTTAAAAAGAGAGTGCAAGTAG

Restriction Sites: Please inquire

ACCN: NM_021229

Insert Size: 3500 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_021229.2 , NP_067052.1
RefSeq Size:	3607 bp
RefSeq ORF:	1887 bp
Locus ID:	59277
UniProt ID:	Q9HB63
Cytogenetics:	12q22
Domains:	NTR, EGF_Lam, laminin_Nterm
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene encodes a member of the netrin family of proteins, which function in various biological processes including axon guidance, tumorigenesis, and angiogenesis. Netrins are laminin-related proteins that have an N-terminal laminin-type domain, epidermal growth factor-like repeat domain, and a positively charged heparin-binding domain at the C-terminus. The protein encoded by this gene is involved in processes including neurite growth and migration, angiogenesis and mural cell adhesion to endothelial cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]</p>