

Product datasheet for **SC105867**

C1orf187 (DRAXIN) (BC021286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf187 (DRAXIN) (BC021286) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf187
Synonyms:	AGPA3119; C1orf187; neucrin; UNQ3119
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC021286, the custom clone sequence may differ by one or more nucleotides

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CAGGTGCTGGATGCAGCCATGGAGGAATCCTCCACCAGCCTGGCGCCACCATTGTTCTTTCTCACCACCT
TTGAGGCAGCACCTGCCACAGAAGAGTCCCTGATCCTGCCCGTCACTCCCTGCGCCCCAGCAGGCACA
GCCCAGGTCTGACGGGGAGGTGATGCCACGCTGGACATGGCCTTGTTGACTGGACCGATTATGAAGAC
TAAAACCTGATGGTTGGCCCTGCAAAGAAGAAAGAGAAACACCGCGTAAACTCTCCAGTGATGGTA
ACGAAACATCACCAGCCGAAGGGGAACCATGCGACCATACCAAGACTGCCTGCCAGGGACTTGCTGCGA
CCTGCGGGAGCATCTCTGCACACCCACAACCGAGGCCTCAACAACAAATGCTTCGATGACTGCATGTG
GTGGAAGGGCTGCGCTGCTATGCCAAATCCACCAGGACCGCAGGTTACACGGAGGAAAGGGCGCTGTG
TGGAGCCCGAGACGGCCAACGGCGACCAGGGATCCTTCATCAACGTCTAGCGGCCCGCGGGACTGGGGA
CTGAGCCAGGAGGTTTGCAAGCCGGGCGATTTGTTTGTAACTAGCAGTGGGAGATCAAGTTGGGGAA
CAGATGGCTGAGGCTGCAGACTCAGGCCAGGACACTCAACCCAGGAGGGGAGCCGCTCGGCGAATGAG
CTGGGTGGGTGCCAGGAGCCGGCCCGCAGCACCTGCACACACGAAGTCCGGACCCAGCAGCCTCCATC
CCGCGTGTCTTGCTCTCCGCGATGGCAATGCCGAGAGTGCCTCTACTGTCCGACTCCAGCACTGCAACA
GCTTCAAGTTCAAACCAAGAGGCGTTTTTGAGAGTGGAAAAGAAATTTAAACTTCCCGAAAAGAGGTCC
ACCATCAGGAGATGAATATGGAACATCTCCTATGTACCAGGCACTGTGCTAAGTGTGGAATACATTATC
TCATTGAATTATCACAACGACCTTTTCAAGTAGGCATTATCACCATGCGACAGTTGAGGACCGTGAGGC
ACGCTGGAGTTATTTGACTCGACTTGCCAGGGTCCAGGTCCAGTGTCTCAAACCTGAACATGCTAAG
AGTCACCTGGAGGTCCAGTTAAAATGTACATCTGGCCGGGCGCGGCGGCTCACGCTTGTAAATCCCAGCA
CTTTGGGAGGCCAAGCGGGTGGCTCACCTGAGGTGAGGATTCGAGACCAGCCTGGCCAACATGGGGAA
GCCCGTCTCTATTAATAAATAAAAAATAGGCCAGGCGCGGTGGTGCACACCTGTAATCCCAGCTACTC
GGAGGCTGAGGCACCAGAATCGCTTGAACCTGGGAGGCAGAGGTTGCAGTGGGCGGAGATCGTGCCACTG
CACTCCAGCCTGGGGACAAGAGTGAACTCCATCTCAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for BC021286 unedited</p> <pre> NNGGGGTTTCATATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCCAGG ATGGGGCTGTGGTCACCGCCACCAGGCAGGCCTCCAGGCTGCCAGAGGCTGAGGGGCTGC TGCCTGAGCAGAGTCTGCAGGCCTGCTGCAGGACAAGGACCTGCTCCTGGGACTGGCAT TGCCCTACCCGAGAAGGAGAACCGACCTCCAGGTTGGGAGAGGACCAGGAAACGCAGCA GGGAGCACAAAGAGACGCAGGGACAGGTTGAGGCTGCACCAAGGCCGAGCCTTGGTCCGAG GTCCCAGCTCCCTGATGAAGAAGGCAGAGCTCTCCGAAGCCCAGGTGCTGGATGCAGCCA TGGAGGAATCCTCCACCAGCCTGGCGCCACCATGTTCTTTCTACCACCTTTGAGGCAG CACCTGCCACAGAAGAGTCCCTGATCCTGCCCGTACCTCCCTGCGGCCCCAGCAGGCAC AGCCCAGGTCTGACGGGGAGGTGATGCCACGCTGGACATGGCCTTGTTGACTGGACCG ATTATGAAGACTTAAACCTGATGGTTGGCCCTCTGCAAAGAAGAAAGAGAAACACCGCG GTAAACTCTCCAGTGATGGTAACGAAACATCACCAGCCGAAGGGGAACCATGCGACCATC ACCAAGACTGCCTGCCAGGGCTGCGCTGCTATGCCAAATCCACCAGAACCGGCAGGTTA CACCGGAGAAAAGGCGCTGTGTGGAGCCGAGACGGCCAACGGCGACCAGGGATCCTTTA TCAACGTCTAGCGCCCCGCGGGACTGGGGACTGAGCCCAGAGTTTGCACAGCCGGGCG ATTTGTTGTAAGTACAGTGGGAGACCAAGTTGGGAACAATGCTGAAGCTGCAGACTCA GGCCAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for BC021286 unedited</p> <pre> TACAGCTATGNACCGGGCCGCAATCTAGAGTACGAGTTTTTTTTTTTTTTTTTTTGTAGA TGGAGTTTCACTCTTGCCCCAGGCTGGAGTGCAGTGGCAGATCTCTGCTCACTGCAA CCTCTGCCTCCCAAGTTCAAGCGATTCTGGTGCCTCAGCCTCCGAGTAGCTGGGATTACA GGTGTGCCACCACCGCCTGGCCTAATTTTTGTATTTTTAATAGAGACGGGGTTTCCCA TGTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGAGCCACCCGCTTGGCCTCCCA AAGTGCTGGGATTACAAGCGTGAGCCGCGCCGCGCCAGATGTACATTTTTAACTGGA CCTCCAGGTGACTCTAACATGTTCAAGTTTGGAGGAGCACTGACCTGGGACCCTGGGCAA GTGCAGTCAAATAACTCCAGCGTGCCTCACGGTCTCAACCTGTCGCATGGTGATAATGC CTACTTGAAGGTCGTTGTGATAATTCATGAGATAATGATTTCCAGCACTTAGCACAG TGCTGGTACATAGGAGATGTTCCATATTCATCTCCTGATGGTGGACCTCTTTCCGGAA GTTTAAATTTCTTTTCCACTCTCAAAAACGCCTTTGGTTTTGAAGTTGAAGCTGTTGCA GTGCTGGAGTCGGACAGTATAGGCACTCTCCGATTGCCATCGCGGAGAGCAAAAACCC GGGATGGAGGCTGCGTTGGTCCCAGCTTTATGTGTGCAAGTGTGCAGGCCGCTCCCTGG GACCCACCCAGCTCAATCCCAAACGCTTCCCTCCCTGGGGTGAATGTCCCGGGCCCAAA TTTGCACCCTCAACCTCCGTTCCCAAATTTGTTTCCATTGCTATTTACAAAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	BC021286
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:

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: [BC021286.1](#), [AAH21286.1](#)

RefSeq Size: 1465 bp

RefSeq ORF: 333 bp

Locus ID: 374946

Cytogenetics: 1p36.22

Protein Families: Secreted Protein, Transmembrane

Gene Summary: Chemorepulsive axon guidance protein required for the development of spinal cord and forebrain commissures. Acts as a chemorepulsive guidance protein for commissural axons during development. Able to inhibit or repel neurite outgrowth from dorsal spinal cord. Inhibits the stabilization of cytosolic beta-catenin (CTNNB1) via its interaction with LRP6, thereby acting as an antagonist of Wnt signaling pathway.[UniProtKB/Swiss-Prot Function]