

Product datasheet for **SC307745**

C1orf187 (DRAXIN) (NM_198545) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf187 (DRAXIN) (NM_198545) Human Untagged Clone
Tag:	Tag Free
Symbol:	DRAXIN
Synonyms:	AGPA3119; C1orf187; neucrin; UNQ3119
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307745 representing NM_198545. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGGGCTGCCATCCACACCGCTCCCATGCTGTTTCTCGTCTCTGCTGCCCTGGAGCTGAGC
CTGGCAGGCGCCCTTGCACCTGGGACCCCTGCCGGAACCTCCCTGAGAATCACATTGACCTCCCAGGC
CCAGCGCTGTGGACGCCTCAGGCCAGCCACCACCGCCGGGGCCGGGCAAGAAGGAGTGGGGCCCA
GGCCTGCCAGCCAGGCCAGGATGGGGCTGTGGTACCAGCCACCAGGCAGGCCTCCAGGCTGCCAGAG
GCTGAGGGGCTGCTGCCTGAGCAGAGTCTGCAGGCTGCTGCAGGACAAGGACCTGCTCCTGGGACTG
GCATTGCCCTACCCGAGAAGGAGAACCGACCTCCAGGTTGGGAGAGGACCAGGAAACGCAGCAGGGAG
CACAAGAGACGCAGGGACAGGTTGAGGCTGCACCAAGGCCGAGCCTTGGTCCGAGGTCCCAGCTCCCTG
ATGAAGAAGGCAGAGCTCTCCGAAGCCAGGTGCTGGATGCAGCCATGGAGGAATCCTCCACCAGCCTG
GCGCCACCATGTTCTTTCTCACCACTTTGAGGCAGCACCTGCCACAGAAGAGTCCCTGATCCTGCC
GTCACCTCCCTGCGGCCCCAGCAGGCACAGCCAGGTCTGACGGGGAGGTGATGCCACAGCTGGACATG
GCCTTGTTCGACTGGACCGATTATGAAGACTTAAACCTGATGGTTGGCCCTCTGCAAAGAAGAAAGAG
AAACACCGCGTAAACTCTCCAGTATGGTAACGAAACATCACCAGCCGAAGGGGAACCATGCGACCAT
CACCAAGACTGCCTGCCAGGGACTTGTGCGACCTGCGGGAGCATCTCTGCACACCCACAAACCGAGGC
CTCAACAACAAATGCTTCGATGACTGCATGTGTGGAAGGGCTGCGCTGCTATGCCAAATCCACCGG
AACCGCAGGGTTACACGGAGGAAAGGGCGCTGTGTGGAGCCGAGACGGCCAACGCGGACCAGGGATCC
TTCATCAACGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map: □



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ACCN:	NM_198545
Insert Size:	1050 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:	<u>NM_198545.3</u>
RefSeq Size:	1773 bp
RefSeq ORF:	1050 bp
Locus ID:	374946
UniProt ID:	<u>Q8NBI3</u>
Cytogenetics:	1p36.22
Protein Families:	Secreted Protein, Transmembrane
MW:	38.6 kDa
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]