

## Product datasheet for **SC305946**

### UNC5A (NM\_133369) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UNC5A (NM_133369) Human Untagged Clone
Tag:	Tag Free
Symbol:	UNC5A
Synonyms:	UNC5H1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_133369 edited
ATGGCCGTCGGGCCCGGCTGTGGCCAGCGCTCCTGGGCATAGTCCTCGCCGCTTGGCTC
CGCGGCTCGGGTCCCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCCAACCCG
GACCTGCTTCCCCACTTCTGGTGGAGCCCGAGGATGTGTACATCGTCAAGAACAAGCCA
GTGCTGCTTGTGTGCAAGGCCGTGCCGCCACGCAGATCTTCTCAAGTGCAACGGGGAG
TGGGTGCCCCAGGTGGACCAGTGCATCGAGCGCAGCACAGACGGGAGCAGTGGGCTGCC
ACCATGGAGGTCGCAATTAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTCCGGCTGGAG
GAATACTGGTGCCAGTGGCTGGCATGGAGCTCCTCGGGCACCAAGAGTCAGAAGGCC
TACATCCGCATAGCCTATTTGCGCAAGAACTTCGAGCAGGAGCCGCTGGCCAAGGAGGTG
TCCCTGGAGCAGGGCATCGTGCTGCCCTGCCGTCCACCGAGGGCATCCCTCCAGCCGAG
GTGGAGTGGTCCGGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATC
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TGCGTGGCCAAGAACATCGTGGCACGTGCGCGCAGCGCTCCGCTGCTGTATCGTCTAC
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TGGCGGAGCCGTGAGTGTCTGACCCAGCACCCCGCAACGGAGGGGAGGAGTGCCAGGGC
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GAGGACGTGGCCCTCTATGTGGGCTCATCGCCGTGGCCGTCTGCTGGTCTGTGCTGCTG
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TCGTCCATTCTCACCTCAGGCTTCCAGCCCGTCAGCATCAAGCCAGCAAAGCAGACAAC
CCCCATCTGCTCACCATCCAGCCGGACCTCAGCACACCACCACCACCTACCAGGGCAGT
CTCTGTCCCCGGCAGGATGGGCCAGCCCCAAGTCCAGCTCACCAATGGGCACCTGCTC
AGCCCCCTGGGTGGCGGCCGCCACACTGCACCACAGCTCTCCACCTCTGAGGCCGAG
GAGTTCGTCTCCGCTCTCCACCCAGAATACTCCGCTCCCTGCCCGAGGCACAGGA
AACATGACCTATGGGACCTTCAACTTCCCTCGGGGCCGGCTGATGATCCCTAATACAGGA
ATCAGCCTCCTCATCCCCCAGATGCCATACCCCGAGGGAAGATCTATGAGATCTACCTC
ACGCTGCACAAGCCGGAAGACGTGAGGTTGCCCTAGCTGGTGTGACACCCTGTGAGT
CCCATCGTTAGCTGTGGACCCCTGGCGTCTGCTCACCCGGCCAGTCATCCTGGCTATG
GACCACTGTGGGAGCCAGCCCTGACAGCTGGAGCCTGCGCCTCAAAAAGCAGTCGTGC
GAGGGCAGCTGGGAGGATGTGCTGCACCTGGGCGAGGAGGCGCCCTCCACCTCTACTAC
TGCCAGCTGGAGGCCAGTGCCTGTACGTCTTACCGAGCAGCTGGGCCGCTTTGCCCTG
GTGGGAGAGGCCCTCAGCGTGGCTGCCGCAAGCGCCTCAAGCTGCTTCTGTTTGGCCG
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GCACTCAAGGAGGTGGTGCAGCTGGAGAAGCAGCTGGGGGGACAGCTGATCCAGGAGCCA
CGGGTCTGCACTTCAAGGACAGTTACCACAACCTGCGCCTATCCATCCACGATGTGCC
AGCTCCCTGTGGAAGAGTAAGCTCCTTGTGAGTACCAGGAGATCCCCTTTTATCACATC
TGGAAATGGCACGCAGCGGTACTTGCAGTGCACCTTACCTGGAGCGTGTGAGCCCCAGC
ACTAGTGACCTGGCCTGCAAGCTGTGGGTGTGGCAGGTGGAGGGGACGGGCAGAGCTTC
AGCATCAACTTCAACATACCAAGGACACAAGTTTGTGAGCTGCTGGCTCTGGAGAGT
GAAGCGGGGTCCCAGCCCTGGTGGGCCCAAGTGCCTTCAAGATCCCCTTCTCATTCGG
CAGAAGATAATTTCCAGCCTGGACCCACCCTGTAGGCGGGGTGCCGACTGGCGGACTCTG
GCCAGAAACTCCACCTGGACAGCCATCTCAGTCTTTTGCCTCAAGGCCAGCCCCACA
GCCATGATCCTCAACCTGTGGGAGGCGCGCACTTCCCCAACGGCAACCTCAGCCAGCTG
GCTGCAGCAGTGGCTGGACTGGGCCAGCCAGCAGCTGGCCTTTCACAGTGTGGAGGCT
GAGTGCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_133369 unedited GCATTTGTATACGACTCCTATAGGGCGGCCGGAATTCCTGGGATGCCATGGCCGTCGGG CCCGGCCCTGTGGCCAGCGCTCCTGGGCATAGTCCTCGCCGCTTGGCTCCGCGGCTCGGGT GCCCAGCAGAGTGCCACCGTGGCCAACCCAGTGCCTGGTGCCAACCCGGACCTGCTTCCC CACTTCTGGTGGAGCCCGAGGATGTGTACATCGTCAAGAACAAGCCAGTGTGCTTGTG TGCAAGGCCGTGCCCGCCACGCAGATCTTCTTCAAGTGAACGGGAGTGGTGCCGACG GTGGACCACGTGATCGAGCGCAGCAGACAGCGGAGCAGTGGGCTGCCACCATGGAGGTC CGCATTAAATGTCTCAAGGCAGCAGGTCGAGAAGGTGTTCCGGGCTGGAGGAATACTGGTGC CAGTGCCTGGCATGGAGCTCCTCGGGCACCACCAAGAGTCAGAAGGCCTACATCCGCATA GCCTATTTGCGCAAGAACTTCGAGCAGGAGCCGCTGGCCAAGGAGGTGTCCCTGGAGCAG GGCATCGTGTGCCCTGCCGTCCACCGGAGGGCATCCCTCCAGCCGAGGTGGAGTGGCTC CGGAACGAGGACCTGGTGGACCCGTCCCTGGACCCCAATGTATACATCACGCGGGAGCAC AGCCTGGTGGTGCACAGGCCCGCCTTGTGACACGGCCAACTACACCTGCGTGGCCAAG ACATCGTGGCACGTCCGCGCAGCGCCTCCGCTGCTGTCATCGTCTACGTGGACGGCAGCT GGAGCCCGTGGAGCAAGTGGTCCGCCTGTGGGCTGGACTGCACCCCACTGGCGGAGCCGT GAGTGTCTCTGACCCAGCACCCGCAACGGAGGGAGGAGTGCAGGCACTGACCTGGACACC CCGCAACTGTTACCAGTGACCTCTCTGTGTGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_133369
<b>Insert Size:</b>	3600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_133369.2</a> , <a href="#">NP_588610.2</a>
<b>RefSeq Size:</b>	3749 bp
<b>RefSeq ORF:</b>	2529 bp
<b>Locus ID:</b>	90249
<b>UniProt ID:</b>	<a href="#">Q6ZN44</a>
<b>Cytogenetics:</b>	5q35.2

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Axon guidance

**Gene Summary:** UNC5A belongs to a family of netrin-1 (MIM 601614) receptors thought to mediate the chemorepulsive effect of netrin-1 on specific axons. For more information on UNC5 proteins, see UNC5C (MIM 603610).[supplied by OMIM, Apr 2004]