

## Product datasheet for **SC104278**

### UNC5B (AK094595) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UNC5B (AK094595) Human Untagged Clone
Tag:	Tag Free
Symbol:	UNC5B
Synonyms:	p53RDL1; UNC5H2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for AK094595 edited
GAATTCGGCACGAGGCCACCATCTGCCAGTCGATGGGGCGTGGACGGAGTGGAGCAAGT
GGTCAGCCTGCAGCACTGAGTGTGCCACTGGCGTAGCCGCGAGTGCATGGCGCCCCAC
CCCAGAACGGAGGCCGTGACTGCAGCGGGACGCTGCTCGACTCTAAGAACTGCACAGATG
GGCTGTGCATGCAAAAATAAGAAAACCTAAGCGACCCCAACAGCCACCTGCTGGAGGCC
CAGGGGATGCGGCGCTGTATGCGGGGCTCGTGGTGGCCATCTTCGTGGTGGCAATCC
TCATGGCGGTGGGGTGGTGGTGTACCGCCGCAACTGCCGTGACTTCGACACAGACATCA
CTGACTCATCTGCTGCCCTGACTGGTGGTTTCCACCCCGTCAACTTTAAGACGGCAAGGC
CCAGCAACCCGACGCTCCTACACCCCTCTGTGCCTCCTGACTGCAGCCAGCGCCGGCA
TCTACCGCGACCCGTGTATGCCCTGCAGGACTCCACCGACAAAAATCCCCATGACCAACT
CTCCTCTGCTGGACCCCTTACCCAGCCTTAAGGTCAAGGTCTACAGCTCCAGCACCACGG
GCTCTGGGCCAGGCTGGCAGATGGGGTGACTGCTGGGGTCTTGCCGCTGGCACAT
ACCCTAGCGATTCGCCCCGGACACCCACTTCTGCACCTGCGCAGCGCCAGCCTCGGTT
CCCAGCAGCTCTGGGCTGCCCGAGACCCAGGGAGCAGCGTCAGCGGCACCTTTGGCT
GCCTGGGTGGGAGGCTCAGCATCCCCGGCACAGGGGTGAGCTTGTGGTGGCCAAATGGAG
CCATCCCCAGGGCAAGTTCTACGAGATGTATCTACTCATCAACAAGGCAGAAAGTACCC
TCCCGCTTTCAGAAGGGACCCAGACAGTATTGAGCCCTCGGTGACCTGTGGACCCACAG
GCCTCCTGCTGTGCCGCCCGTCACTCCTCACCATGCCCACTGTGCCAAGTCAAGTGGCC
GTGACTGGATCTTTCAGCTCAAGACCCAGGCCACCAGGGCCACTGGGAGGAGGTGGTGA
CCCTGGATGAGGAGACCTGAACACACCCTGCTACTGCCAGCTGGAGCCAGGGCCTGTC
ACATCTGCTGGACAGCTGGGCACCTACGTGTTACGGGCGAGTCTCTATCCCCTCAG
CAGTCAAGCGGCTCCAGCTGGCCGTCTTCGCCCCGCCCTCTGCACCTCCCTGGAGTACA
GCCTCCGGTCTACTGCTGGAGGACAGCCTGTAGCACTGAAGGAGGTGCTGGAGTGG
AGCGGACTCTGGGCGGATCTTGGTGGAGGAGCCGAAACCGCTAATGTTCAAGGACAGTT
ACCACAACCTGCGCCTCTCCCTCCATGACCTCCCCATGCCATTGGAGGAGCAAGCTGC
TGGCAAATACCAGGAGATCCCCCTTCTATCACATTTGGAGTGGCAGCCAGAAGGCCCTCC
ACTGCACTTTCACCCTGGAGAGGCACAGCTTGGCTCCACAGAGCTCACCTGCAAGATCT
GCGTGGGCAAGTGAAGGGGAGGGCCAGATATCCAGCTGCATACCACTCTGGCAGAGA
CACCTGCTGGCTCCCTGGACACTCTCTGCTCTGCCCTGGCAGCACTGTACCACCCAGC
TGGGACCTTATGCCTTCAAGATCCCACTGTCCATCCGCCAGAAGATATGCAACAGCCTAG
ATGCCCCCAACTCAGGGGCAATGACTGGCGGATGTTAGCACAGAAGCTCTCTATGGACC
GGTACCTGAATTAATTTGCCACCAAAGCGAGCCCCACGGGTGTGATCCTGGACCTCTGGG
AAGCTCTGCAGCAGGACGATGGGGACCTCAACAGCCTGGCGAGTGCCTTGGAGGAGATGG
GCAAGAGTGAGATGCTGGTGGCTGTGGCCACCGACGGGGACTGCTGAGCCTCCTGGGACA
GCGGGCTGGCAGGGACTGGCAGGAGGCAGGTGCAGGGAGGCTGGGGCAGCCTCCTGATG
GGGATGTTTGGCCTCTGCTTCTCCAGTTCACAGCCAGAGTTGCCTCTCCTCCTCCTCT
TCCCCAACCCGACACCATGACCAGCCTTAGAAAAATCCATGTAATCTGTTGTTAGAGGGC
CCAGAGTTCCTTCTCCACCCCGCTCTCTCTCTTGGCCTGAGATCTCTGTGCAGGAAC
CAAGATGGGGCTGAAGCCTCTGGAGGCAGTTGGTTGGGGCGGGCAGGCAGGAGGCCCTC
CCTCCACCCCCCAACCCTCAGCCCGCAACTTCTGGGTTCCATGGGTTTTAGTTCGGTTC
TTCGTTTTCTTCTCCGTATTGATTTCTCCTTCTCCCTAAGCCCCCTTCTGCTTCCAC
GCCTTTTCTCTTTGAAGAGTCAAGTACAATTCAGACAAACTGCTTCTCCTGTCCAAA
AGCAAAAAGGCAAGGAAAGAAAGAAAGCTTCAGACCGCTAGTAAGGCTCAAAGAAGAAG
AAAAACACCAAAACCACAAGGAAAAGAAAAACCCAGTTTCTTAGGAAACGCAACGATT
TATTATCCAGATTATTTGGATAAGTCCTTTTTAAGAAAAAAAAAAAAAAAAAACTCGAC
```

<b>5' Read Nucleotide Sequence:</b>	<pre>&gt;OriGene 5' read for AK094595 unedited NCTTATTACCCCCGCCGTTCCCGCTTTGGGCGGTAGGCGGTACGGTGGNGAGTCTATA TAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGG CCGCGAATTCGGCACGAGGCCACCATCTGCCAGTCGATGGGGCGTGGACGGAGTGGAGC AAGTGGTCAGCCTGCAGCACTGAGTGTGCCCACTGGCGTAGCCGCGAGTGCATGGCGCCC CCACCCAGAACGAGGCCGTGACTGCAGCGGGACGCTGCTCGACTCTAAGAAGTGCACA GATGGGCTGTGCATGCAAATAAGAAACTCTAAGCGACCCCAACAGCCACCTGTGGAG GCCTCAGGGGATCGCGCGCTGTATGCGGGCTCGTGGTGCCATCTTCGTGGTCGTGGCA ATCCTCATGGCGGTGGGGTGGTGGTGTACCGCCGAACCTGCCGTGACTTCGACACAGAC ATCACTGACTCATCTGCTGCCCTGACTGGTGGTTCCACCCCGTCAACTTAAAGACGGCA AGGCCAGCAACCCGAGCTCCTACACCCCTCTGTGCCTCCTGACCTGACAGCCAGCGCC GGCATCTACCGCGGACCCGTGTATGCCCTGCAGGACTCCACCGACAAAATCCCCATGACC AACTCTCTCTGTGGACCCCTTACCCAGCCTTAAGGTCAAGGTCTACAGCTCCAGCACC ACGGGCTCTGGCCAGGCTGGCAGATGGGGCTGACCTGCTGGGGTCTTGCCGCTGGC ACATACCTAGCGATTTTCGCCCGGACCCACTTCTGCACCTGCGCAGCGCCAGCCCT CGTTCCAGCAGCTCCTTGGGCTGNCCGAGACCCAGGNAGCAGCGTCAGCGGACCT TTGGCTGCCTG</pre>
<b>3' Read Nucleotide Sequence:</b>	<pre>&gt;OriGene 3' read for AK094595 unedited TCTTGGTATACTATGNACCGCGCCGCTATCTANGATCGATTTTTTTTTTTTTTTTTTTCTT AAAAGGACTTATCAAATAATCTGGATAATAAATCGTTTGCGTTTCCTAAGAACTGGGT TTTTCTTTCCCTTGTGGTTTTGGTGTCTTTCTTTCTTTGAGCCTTACTAGCGGTCTG AAGCTTTCTTTCTTTCCTTAGCCTTTTTGCTTTTGACAGGAGAAAGCAGTTTGTCTGAA TTGTACTTGACTCTTCAAAGAGGAAAAGGGCGTGGAAGCAGAAGGGGGCTTAGGGAGAAA GGAGAAATCAATAACGGAGGAAGAAAACGAAGAACGGAATAAAACCCATGGAACCCAGA AGTTGCCGGGCTGAGGGTGGGGGGTGGAGGGAGNCCNCCNCCNCCNCCNCCNCCNCCNCC CCACACCCCCCAACCCACAACCCCCGCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCC AAAACACACCACCCACACCAACACACGCCACTGAGCAACAACAACCAACCCACCAACACA AACGCCACCCCCCCCCACACACCAACCCACCAACCAACCAACCAACCAACCAACCAACCA AANANNAGGACGGGCCACAACANCCCCAAACCAACAACCAACCAACCAACCAACCAACCA AAGACCCCCACCCACCCACCCACCCACCGGGCGGGCGGAGGAAACCACATACCGN NGGNGNNANNGANNACCGCAGCCCAAGAAAAGGAACAGCGCAAAAACAACGCACC GCCAAAAGCATACCCACACCCGCNTCGCCGAGAGGGGAATAAGAAGTCTTTACTTTTA TACATATCCCACTCACACCAACCAACAGAGTATGTGGGGGGGGGGATG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK094595
<b>Insert Size:</b>	2750 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>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).

**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:** [AK094595.1](#), [BAC04382.1](#)

**RefSeq Size:** 2406 bp

**RefSeq ORF:** 2406 bp

**Locus ID:** 219699

**Cytogenetics:** 10q22.1

**Domains:** DEATH, ZU5

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Axon guidance

**Gene Summary:** This gene encodes a member of the netrin family of receptors. This particular protein mediates the repulsive effect of netrin-1 and is a vascular netrin receptor. This encoded protein is also in a group of proteins called dependence receptors (DpRs) which are involved in pro- and anti-apoptotic processes. Many DpRs are involved in embryogenesis and in cancer progression. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2011]