

## Product datasheet for **SC114114**

### **C21orf91 (NM\_017447) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C21orf91 (NM_017447) Human Untagged Clone
Tag:	Tag Free
Symbol:	C21orf91
Synonyms:	C21orf14; C21orf38; CSSG1; EURL; YG81
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017447, the custom clone sequence may differ by one or more nucleotides

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ATGAACGAAGAGGAGCAGTTTGTAAACATTGATTTGAATGATGACAACATTTGCAGTGTTTGTAAACTGG
GAACAGACAAAGAAACACTCTCCTTCTGCCACATTTGTTTTGAGCTAAATATTGAGGGGGTACCAAAGTC
TGATCTCTTGACACCAAATCATTAAGGGGCCATAAAGACTGCTTTGAAAAATACCATTTAATTGCAAAC
CAGGGTTGCTCGATCTAAGCTTTCAAAAAGTACTTATGAAGAAGTTAAAACCATTTTGTAGTAAGAAGA
TAAACTGGATTGTGCAGTATGCACAAAATAAGGATCTGGATTGAGATTCTGAATGTTCTAAAAACCCCA
GCATCATCTGTTAATTTAGGCATAAGCCAGAAGAAAAATTACTCCACAGTTTGACTCCCAAGTACCA
AAATATTCTGAAAATGGATAGATGGAAGTGCAGGTGGCATCTCTAACTGTACACAAAGAATTTTGGAGC
AGAGGGAAAATACAGACTTTGGACTTTCTATGTTACAAGATTCAGGTGCCACTTTATGTCGTAACAGTGT
ATTGTGGCCTCATAGTCAACACAGGCACAGAAAAAGAAGAGACAATCTCTAGTCCAGAGGCTAATGTC
CAGACCCAGCATCCACATTACAGCAGAGAGGAATTGAATTCGATGACTCTTGGTGAGGTAGAGCAACTGA
ATGCAAAGCTCCTACAGCAAATCCAGGTTTTTGAAGAGTTAACTACCAAGTGAAGAAAAAGATTCTTT
GGCCTCACAGCTCCATGTCCGCCAGTTGCCATCGAACAGCTTCTGAAGAAGTGTCTAAGTTACCATGT
CTGCAAGTAGGGCGAACAGGAATGAAGTCGCACCTACCCATAAACAACTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_017447 unedited TTACAATTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGGCCGCACGGAA CGGCGGTGGTGGCCCGCGGAGCCGGACGGGGCACTATGAACGAAGAGGAGCAGTTTGTA ACATTGATTTGAATGATGACAACATTTGCAGTGTGTTGAACTGGGAACAGACAAAGAAA CACTCTCCTTCTGCCACATTTGTTTGGCTAAATATTGAGGGGTACCAAAGTCTGATC TCTTGCACACCAAATCATTAAAGGGCCATAAAGACTGCTTTGAAAAATACCATTTAATTG CAAACCAGGGTTGTCCTCGATCTAAGCTTTCAAAAAGTACTTATGAAGAAGTTAAAACCA TTTTGAGTAAGAAGATAAAGTGGATTGTGCAAGTATGCACAAAATAAGGATCTGGATTCAG ATTCTGAATGTTCTAAAAACCCCGAGCATCATCTGTTTAAATTCAGGCATAAGCCAGAAG AAAAATTACTCCACAGTTTACTCCCAAGTACCAAATATTCTGCAAAATGGATAGATG GAAGTGCAGGTGGCATCTCTAAGTGTACACAAAGAATTTGGAGCAGAGGGAAAAACAG ACTTTGGACTTTCTATGTTACAAGATTCAGGTGCCACTTTATGTCGTAACAGTGTATTGT GGCCTCATAGTCAACACAGGCACAGANAAGAAGAGACCATCTCTAGTCCAGAGGCTA ATGTCCAGACCCAGCATCCACATTACAGCAGAGAGGAATAAGTTTTTGAAGAATTAACTC ACCAAGTGAAGAANAAGATNCTTTGGCCTCACAGCTCCATGTCCGCCACGNTGCCATCG AACAGTTCTGAAGAAGTCTTCTAGTTTACATGTCTGCAAGTAGGGCCGAACAGGAATGAA GTCGCACCTACCCATAAACACTGACCTAACAGACTTACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017447
<b>Insert Size:</b>	5310 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).
<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_017447.1</a> , <a href="#">NP_059143.1</a>
<b>RefSeq Size:</b>	5448 bp
<b>RefSeq ORF:</b>	5448 bp
<b>Locus ID:</b>	54149
<b>UniProt ID:</b>	<a href="#">Q9NYK6</a>
<b>Cytogenetics:</b>	21q21.1

**Gene Summary:**

Plays a role in cortical progenitor cell proliferation and differentiation. Promotes dendritic spine development of post-migratory cortical projection neurons by modulating the beta-catenin signaling pathway.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks an internal aa, compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.