

Product datasheet for **SC316716**

C21orf91 (NM_001100420) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C21orf91 (NM_001100420) Human Untagged Clone
Tag:	Tag Free
Symbol:	C21orf91
Synonyms:	C21orf14; C21orf38; CSSG1; EURL; YG81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316716 representing NM_001100420. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAACGAAGAGGAGCAGTTTGTAAACATTGATTTGAATGATGACAACATTTGCAGTGTTTGAAACTG
GGAACAGACAAAGAACTCTCCTTCTGCCACATTTGTTTTGAGCTAAATATTGAGGGGTACCAAAG
TCTGATCTCTTGACACCAAATCATTAAAGGGCCATAAAGACTGCTTTGAAAAATACCATTTAATTGCA
AACCAGGGTTGTCCTCGATCTAAGCTTTCAAAAAGTACTATGAAGAAGTAAAACCATTTTGAGTAAG
AAGATAAACTGGATTGTGCAGTATGCACAAAATAAGGATCTGGATTCTGATTTCTAAAAAC
CCCCAGCATCATCTGTTAATTT CAGGCATAAGCCAGAAGAAAAATTACTCCACAGTTTGACTCCCAA
GTACCAAAATATTCTGCAAAATGGATAGATGGAAGTGCAGGTGGCATCTCTAACTGTACACAAGAATT
TTGGAGCAGAGGGAAAAACAGACTTTGGACTTTCTATGTTACAAGATTCAGGTGCCACTTTATGTCGT
AACAGTGTATTGTGGCCTCATAGTCACAACCAGGCACAGAAAAAGAAGAGACAATCTCTAGTCCAGAG
GCTAATGTCCAGACCCAGCATCCACATTACAGCAGAGAGGAATTGAATTCGATGACTCTTGGTGAGGTA
GAGCAACTGAATGCAAAGCTCCTACAGCAAATCCAGGAAGTTTTTGAAGAGTTAACTACCAAGTGCAA
GAAAAAGATTCTTTGGCCTCACAGCTCCATGTCCGCCACGTTGCCATCGAACAGCTTCTGAAGAAGTGT
TCTAAGTTACCATGTCTGCAAGTAGGGCGAACAGGAATGAAGTCGCACCTACCCATAACAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites:	Sgfl-MluI
Plasmid Map:	□
ACCN:	NM_001100420
Insert Size:	894 bp



[View online »](#)

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_001100420.1</u>
RefSeq Size:	5451 bp
RefSeq ORF:	894 bp
Locus ID:	54149
UniProt ID:	<u>Q9NYK6</u>
Cytogenetics:	21q21.1
MW:	33.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>