

Product datasheet for **SC316684**

C21orf91 (NM_001100421) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C21orf91 (NM_001100421) 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:	>SC316684 representing NM_001100421. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAACGAAGAGGAGCAGTTTGTAAACATTGATTTGAATGATGACAACATTTGCAGTGTTTGTAAACTG
GGAACAGACAAAGAACTCTCCTTCTGCCACATTTGTTTTGAGCTAAATATTGAGGGGTACCAAAG
TCTGATCTTGCACACCAATCATTAAAGGGCCATAAAGACTGCTTTGAAAAATACCATTTAATTGCA
AACCAGGGTTGCTCCTCGATCTAAGCTTTCAAAAAGTACTTATGAAGAAGTTAAAACCATTTTGTAGTAAG
AAGATAAACTGGATTGTGCAGTATGCACAAAATAAGGATCTGGATTCTGATTTCTAAAAAC
CCCCAGCATCATCTGTTAATTTAGGCATAAGCCAGAAGAAAAATTACTCCACAGTTTGACTCCCAA
GTACCAAAATATTCTGAAAATGGATAGATGGAAGTGCAGGTGGCATCTCTAACTGTACACAAAGAATT
TTGGAGCAGAGGGAAAATACAGACTTTGGACTTTCTATGTTACAAGATTCAGGTGCCACTTTATGTCGT
AACAGTGTATTGTGGCCTCATAGTCACAACCAGGCACAGAAAAAGAAGACAATCTCTAGTCCAGAG
GCTAATGTCCAGACCCAGCATCCACATTACAGCAGAGAGGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_001100421
Insert Size:	666 bp



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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_001100421.1</u>
RefSeq Size:	5388 bp
RefSeq ORF:	666 bp
Locus ID:	54149
UniProt ID:	<u>Q9NYK6</u>
Cytogenetics:	21q21.1
MW:	25.4 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 (3) lacks an exon in the 3' coding region, compared to variant 1. The resulting isoform (3) is C-terminal truncated, 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.</p>