

Product datasheet for **SC322439**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322439
 GGGCACTATGAACGAAGAGGAGCAGTTTGTAAACATTGATTTGAATGATGACAACATTTG
 CAGTGTTTGTAACTGGGAACAGACAAAGAAACACTCTCCTTCTGCCACATTTGTTTTGA
 GCTAAATATTGAGGGGTACCAAAGTCTGATCTCTTGCACACCAAATCATTAAAGGGCCA
 TAAAGACTGCTTTGAAAAATACCATTTAATTGCAAACCGGGTTGTCTCGATCTAAGCT
 TTCAAAAAGTACTTATGAAGAAGTTAAAACATTTTGTAGTAAGAAGATAAACTGGATTGT
 GCAGTATGCACAAAATAAGGATCTGGATTCAGATTCTGAATGTTCTAAAAACCCAGCA
 TCATCTGTTTAAATTCAGGCATAAGCCAGAAGAAAAATTACTCCACAGTTTGTAGTCCCA
 AGTACCAAATATTCTGCAAAATGGATAGATGGAAGTGCAGGTGGCATCTCTAACTGTAC
 ACAAGAATTTTGGAGCAGAGGGAAAAACAGACTTTGGACTTTCTATGTTACAAGATTC
 AGGTGCCACTTTATGTCGTAACAGTGTATTGTGGCCTCATAGTCAACAACAGGCACAGAA
 AAAAGAAGAGACAATCTCTAGTCCAGAGGCTAATGTCCAGACCCAGCATCCACATTACAG
 CAGAGAGGAATTGAATTCGATGACTCTTGGTGAGGTAGAGCAACTGAATGCAAAGCTCCT
 ACAGCAAATCCAGGTTTTTGAAGAGTAACTCACCAAGTCAAGAAAAAGATTCTTTGGC
 CTCACAGCTCCATGTCCGCCACGTTGCCATCGAACAGCTTCTGAAGAAGTCTTAAAGTT
 ACCATGTCTGCAAGTAGGGCGAACAGGAATGAAGTCGCACCTACCCATAAAACAATGACC
 TAAACAGACTTACTTCGATGCCCTGCCCTTTATTTGGTCTCCAGACATGCAAACATTTGA
 AGAAGTTTGAAGAAAGTTGTGGTCCGTTTTTTTATGGTCATTAATTTGCCAAACATAAG
 GCAGATTTTAAACATCTTTGTCAAATAAAGCAGATCATTACTCTAGTCTTCTAGGGCTA
 ATCATTTTGGCTCATTGTTGGGACTCTTTTTTCCAGAATTAATAACAAATTTTATCACA
 TGTGACTACTTAAATATACTGTTACAGTGTCAATTTTAAACATTTTAAATTCACCTGTC
 AAAACAACAGATTAACTCCTTAGTGAACTACTAGAGATAATTTTAAAGAGGAAATGG
 AATTCATACACCTCTTATTTATATGAGCAATATTTTAAATAAAAAATTTATATGTGA
 AAATGCTATTTTAGTACTTTGCCATTCTTTATAAATGTGATTTTGTAGTGGTTCTGTA
 TATTTATTTACATTATCATGTGTGAATATGTTCAACCATATTTTCCAGGTCAGTGCATTTA
 TTCTCTTAATACAATGTTTTTCAACCGTTACCTTGCTTTCCAAAGATAAATATATTTTG
 GATTAGAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_017447
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_017447.2</u> , <u>NP_059143.2</u>
RefSeq Size:	1521 bp
RefSeq ORF:	891 bp
Locus ID:	54149
UniProt ID:	<u>Q9NYK6</u>
Cytogenetics:	21q21.1
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 (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.</p> <p>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>