

Product datasheet for **SC100474**

CCNQ (NM_152274) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNQ (NM_152274) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCNQ
Synonyms:	CycM; FAM58A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100474 sequence for NM_152274 edited (data generated by NextGen Sequencing)

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ATGGAAGCCCCGGAGGGCGGCGGAGGGGGCCCTGCAGCGCGGGGCCCGGAGGGGCAGCCG
GCGCCCCGAAGCCAGGGTGCACCTCCGAGTGCGGAGGTTTCATCATGGAGGNAGGTGTCAAG
CTAGGGATGCGGTCCATTCCCATTGCCACTGCTTGACCATTTACCATAAGTTCTTTTGC
GAGACCAACCTGGACGCCTATGACCCTTACCTGATTGCCATGTCTTCAATTTACTTGCC
GGCAAAGTGGAAGAGCAGCACCTGCGGACTCGTGACATCATCAATGTGTCCAACAGGTAC
TTTAACCAAGCGGTGAGCCCCTGGAATTGGACTCCCCTTCTGGGAACTCCGGGACAGC
ATCGTGCAAGTGAGCTTCTCATGCTGAGAGTTCTGCGCTTCCAGGTCTCCTTCCAGCAT
CCACACAAGTACCTGCTCCACTACCTGGTTTCCCTCCAGAACTGGCTGAACCGCCACAGC
TGGCAGCGGACCCCTGTTGCCGTCACCGCCTGGGCCCTGCTGCGGGACAGCTACCATGGG
GCGCTGTGCCCTCCGCTTCCAGGCCAGCACATCGCCGTGGCGGTGCTCTACCTGGCCCTG
CAGGTCTACGGAGTTGAGGTGCCCGCCAGGTCGAGGCTGAGAAGCCGTGGTGGCAGGTG
TTTAATGACGACCTTACCAAGCCAATCATTGATAATATTGTGTCTGATCTCATTACAGATT
TATACCATGGACACAGAGATCCCCTAA

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Clone variation with respect to NM_152274.3
110 c=>n



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152274 unedited NGGTTTAGATTTTGAATACGACTTACTATAGGGCGGCCGGAATTCGGCACCAGGCGCC GGGGCCGCTCTCCTTCCGCCGGTGCCGCGGCCCTCATGGAAGCCCCGAGGGCGGCGG AGGGGGCCTGCAGCGCGGGGCCGAGGGGCAGCCGGCGCCGAAGCCAGGGTGCACTT CCGAGTGGCGAGGTTTCATCATGGAGGTGCAAGCTAGGGATGCGGTCCATTCCCATTGCC ACTGCTTGACCATTTACCATAAGTTCTTTTGCAGACCAACCTGGACGCCTATGACCTT TACCTGATTGCCATGCTTCAATTTACTTGGCCGCAAAGTGGAAGAGCAGCACCTGCGG ACTCGTGACATCAATGTGTCCAACAGGTACTTTAACCCAAGCGGTGAGCCCCTGAA TTGGACTCCCGCTTCTGGAACTCCGGGACAGCATCGTGCAAGTGTGAGCTTCTCATGCTG AGAGTTCTGCGCTTCCAGGTCTCCTTCCAGCATCCACACAAGTACCTGCTCCACTACCTG GTTCCCTCCAGAACTGGCTGAACCGCCACAGCTGGCAGCGGACCCCTGTTGCCGTACC GCCTGGGCCCTGCTGCGGGACAGCTACCATGGGGCGCTGTGCCTCCGCTTCCAGGCCAG CACATCGCCGTGGCGGTGCTCTACCTGGCCCTGCANGTCTACGGAGTTGAGGTGCCCGCC GAGGTCGAGGCTGAGAAGCCGTGGTGGCAGGTGTTAATGACGACCTTACCAAGCCAATC ATTGATAATATTGTGCTGATCTCATTAGATTATACCATGGACACAGAGATCCCCTAA GGTCTGCCCCANGCCTGCCAAAGAGAAGCCAGATGGGTGCTGCCTGGGGACATTGT CACACGTCGCCATGACCGCTGGTCCCCACAGGAC
Restriction Sites:	NotI-NotI
ACCN:	NM_152274
Insert Size:	1250 bp
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).
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:	NM_152274.2 , NP_689487.1
RefSeq Size:	1308 bp
RefSeq ORF:	645 bp
Locus ID:	92002
UniProt ID:	Q8N1B3
Cytogenetics:	Xq28
Domains:	CYCLIN, cyclin

Gene Summary:

Mutations in this gene have been shown to cause an X-linked dominant STAR syndrome that typically manifests syndactyly, telecanthus and anogenital and renal malformations. The protein encoded by this gene contains a cyclin-box-fold domain which suggests it may have a role in controlling nuclear cell division cycles. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).