

## Product datasheet for **RG225281**

### CCNQ (NM\_001130997) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCNQ (NM_001130997) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNQ
Synonyms:	CycM; FAM58A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225281 representing NM_001130997 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGCCCCGGAGGGCGGGAGGGGGCCCTGCAGCGCGGGGCCGGAGGGGCAGCCGGCGCCCGAAG  
CCAGGGTGCACTCCGAGTGCCGAGGTTTCATCATGGAGGCAGGTGTCAAGCTAGGGATGCGGTCCATTCC  
CATTGCCACTGCTTGACCATTTACCATAAGTTCTTTTGCAGACCAACCTGGACGCCTATGACCCTTAC  
CTGATTGCCATGTCTTCAATTTACTTGGCCGGCAAAGTGAAGAGCAGCACCTGCCGACTCGTGACATCA  
TCAATGTGTCCAACAGGTACTTTAACCCAAGCGGTGAGCCCTGGAATTGGACTCCGCTTCTGGGAAT  
CCGGGACAGCATCGTGCAGTGTGAGCTTCTCATGCTGAGAGTTCTGCGCTTCCAGGTCTCCTTCCAGCAT  
CCACACAAGTACCTGCTCCACTACCTGGTTTTCCCTCCAGAAGTGGCTGAACCGCCACAGCTGGCAGCGGA  
CCCCTGTTGCCGTCAACGCTGGGCCCTGCTGCGGGACAGCTACCATGGGGCGCTGTGCCTCCGCTTCCA  
GGCCCAGCACATCGCCGTGGCGGTGCTCTACCTGGCCCTGCAGGTCTACGGAGTTGAGGTGCCCGCCGAG  
GTCGAGGCTGAGAAGCCGTGGTGGCAGATTTATACCATGGACACAGAGATCCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225281 representing NM\_001130997  
 Red=Cloning site Green=Tags(s)

MEAPEGGGGGPAARGPEGQPAPEARVHFRVARFIMEAGVCLGMRSIPIATACTIYHKFFCETNLDAYDPY  
 LIAMSSIIYLAGKVEEQHLRTRDIINVSNRYPNPSGEPLLEDSRFWELRDSIVQCELLMLRVLRFQVSFQH  
 PHKYLLHYLVSLQNLNRHSWQRTPVAVTAWALLRDSYHGALCLRFQAQHI AVAVLYLALQVYGVVEVPAE  
 VEAKEPWWQIYTMDTEIP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001130997

**ORF Size:** 684 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_001130997.3](#)

**RefSeq Size:** 1248 bp

**RefSeq ORF:** 687 bp

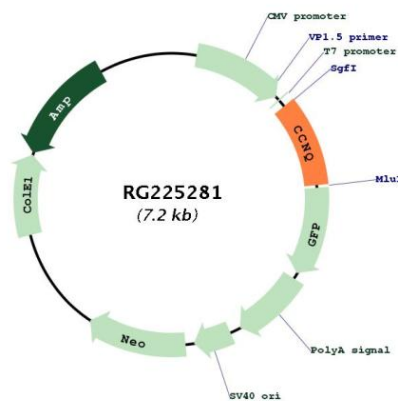
**Locus ID:** 92002

**UniProt ID:** [Q8N1B3](#)

**Cytogenetics:** Xq28

**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]

## Product images:



Circular map for RG225281