

Product datasheet for **RG205728**

CCNQ (NM_152274) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNQ (NM_152274) 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:	>RG205728 representing NM_152274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCAGGTGTCAAGCTAGGGATGCGGTCCATCCCATTGCCACTGCTTGCACCATTACCATAAGT
TCTTTTGCAGACCAACCTGGACGCCTATGACCCTTACCTGATTGCCATGTCTTCAATTTACTTGGCCGG
CAAAGTGAAGAGCAGCACCTGCGGACTCGTGACATCATCAATGTGTCCAACAGGTACTTTAACCCAAGC
GGTGAGCCCTGGAATTGGACTCCCGCTTCTGGAACTCCGGGACAGCATCGTGCAGTGTGAGCTTCTCA
TGCTGAGAGTTCTGCGCTTCCAGGTCTCCTTCCAGCATCCACACAAGTACCTGCTCCACTACCTGGTTTC
CCTCCAGAACTGGCTGAACCGCCACAGCTGGCAGCGGACCCCTGTTGCCGTCACCGCCTGGGCCCTGCTG
CGGGACAGCTACCATGGGGCGCTGTGCCTCCGCTTCCAGGCCAGCACATCGCCGTGGCGGTGCTCTACC
TGGCCCTGCAGGTCTACGGAGTTGAGGTGCCCGCCGAGGTCGAGGCTGAGAAGCCGTTGGTGGCAGGTGTT
TAATGACGACCTTACCAAGCCAATCATTGATAATATTGTGTCTGATCTCATTAGATTATACCATGGAC
ACAGAGATCCCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205728 representing NM_152274
 Red=Cloning site Green=Tags(s)

MEAGVKLGMRSIPIATACTIYHKFFCETNLDAYDPYLIAMSSIYLAGKVEEQHLRTRDIINVSNRYPNPS
 GEPLLEDSRFWELRDSIVQCELLMLRVLRFQVSFQHPHKYLLHYLVSLQNWLNHRHSWQRTPVAVTAWALL
 RDSYHGALCLRFQAQHI AVAVLYLALQVYGVVEVPAEVEAEKPWWQVFNDLTKPIIDNIVSDLIQIYTM
 TEIP

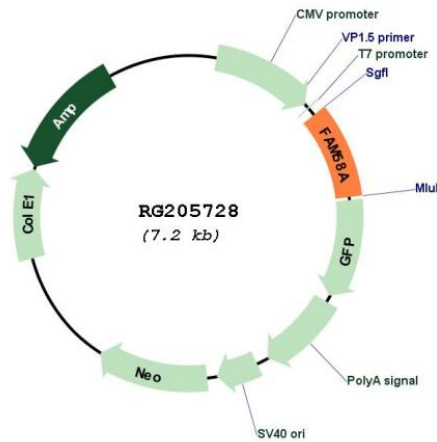
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_152274

ORF Size: 642 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:	<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:	1257 bp
RefSeq ORF:	747 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]