

Product datasheet for **RG214028**

CCDC141 (NM_173648) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC141 (NM_173648) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC141
Synonyms:	CAMDI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214028 representing NM_173648
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGTTTCAGAGCTTAAAAGAATTTTATGAAACCGAAATCCCTCAGAAGGAGCAGGATGATGCTAAAG
 CCAAGCATTGTTCTGACTCGGCTGAGAAGCAGTGGCAGCTATTTTTAAAGAAGAGTTTTATAACACAAGA
 TCTAGGGCTTGAGTTCCTTAATTTAATAAATATGGCAAAAGAGAACGAGATATTAGATGTAAAAATGAA
 GTGTACCTCATGAAGAACACCATGGAAAACAGAAAGCAGAACGGGAAGAACTTAGCCTCCTTCGGCTGG
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 AAAGACTTCTCACAACCTAAAACCTCTTCAGGAAGCACTTATGCCTGTGTCTGCACCTTGACCTCGGAGGG
 AGCCTCCAGTTCATTTTAGATCTACGACAAAAATGGAATGACATGAAGCCTCAGTCCAGCAATTGAATG
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 TCAACAACCTGAAGGACCTTATTCACCTCCATCAAAAACAGAAAGAGAGAATCCAGGATTACGAGGATATC
 CTGTACAAGGTGGTCCAGTTCATCAAGTCAAGGAAGAGCTGGGACGTCTCATCAAAATCAAGAGAGCTGG
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 AGAGCTCGAAGAAAAACTGAAGCAGGGAGATGTTTTAAAGATGAATCCGAATTTGGAAGACTTCCATTAT
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 TCTAATGTAAGTGCATGGAAGGTTCTCCAGTACTTTGGAAGTTGAAGTAACAGGATTTCCAGAGCCTA
 CACTGACATGGTGGTAGCCTATAATGACAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214028 representing NM_173648
Red=Cloning site Green=Tags(s)

MQFQSLKEFYETEIPQKEQDDAKAKHCSDSAEKQWQLFLKKSFITQDLGLEFLNLINMAKENEILDVKN
 VYLMKNTMENQKAEREELSLRLAWQLKATESKPGKQQWAAFKEQLKKTSHNLKLLQEALMPVSALDLGG
 SLQFILDRLQKWNMMPQFQQLNDEVQYIMKESEELTGRGAPVKEKSQQLKDLIHFHQKQKერიQDYEDI
 LYKVVQFHQVKEELGRLIKSRELEFVEQPKELGDAHDVQIHLRCSQEKQARVDHLHRLALSLGVDIISV
 QRPHCNSVSAKNLQQLELLEEDSMKWRAKAEYGRTLRSRVEYCAMRDEINELKDSFKDIKKKFNNLKF
 NYTKKNEKSRNLKALKYQIQQVDMYAEKMQUALKRMEKVSNTSDSFLNYPSPDKVNVLLLEVMDLQKHVD
 DFDKVVTDYKKNLDELTEHFQEVIEECHFWYEDASATVVVRVGKYSTECKTKEAVKILHQQFNKFIAPSVQ
 QEERIQAETDLAQLYGLEEGQKYIEKIVTKHKEVLESVTELCESLTELKQGDVLMKMPNLEDFHY
 DYIDLLKEPAKNQTIIFNEERNKGVQVADLLGINGTGEERLPQDLKVDKKEGGVQDLLLPEDMLSGEE
 YECVSPDDISLPLPGSPESPLAPSDMEVEEPVSSSLSLHISYGVQAGTSSPGDAQESVLPVAFADA
 CNDKRETFSSHFERPYLQFKAEPPLTSRGFVEKSTALHRI SAEHPESMMSEVHERALQQHPQAQGGLET
 REKMHADNNTKTQDRLHASSDAFSGLRFQSGTSRGYQRQMPREEIKSTSAKSSVVSLADQAPNFSRL
 SNVTVMEGSPVTLEVEVTGFPEPTLTWWVAYNDKP

TRTRPLE - GFP Tag - V

Restriction Sites:

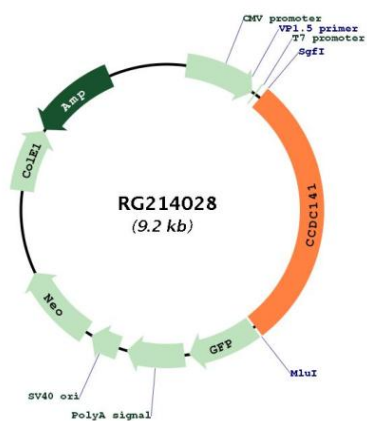
SgfI-MluI

Cloning Scheme:



ACCN:	NM_173648
ORF Size:	2625 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_173648.2 , NP_775919.2
RefSeq Size:	3786 bp
RefSeq ORF:	4593 bp
Locus ID:	285025
UniProt ID:	Q6ZP82
Cytogenetics:	2q31.2
Gene Summary:	Plays a critical role in radial migration and centrosomal function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214028