

## Product datasheet for **RG206818**

### CCDC8 (NM\_032040) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC8 (NM_032040) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC8
Synonyms:	3M3; p90; PPP1R20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206818 representing NM\_032040  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGCAGATCGGGGAGGACGTCGACTATTTGCTCATCCCCGGGAGGTCAGGCTGGCTGGGGCGTCT  
 GGAGAGTCATCTCTAAGCCCGCCACCAAGGAAGCAGAATTTCTGGGAGCGGCTGACCCAGTTCCTGGAAGA  
 AGAGGGCCCGCACCTGGAGGACGTGGCCCGCATCATGGAGAAGAGCACCCCGCACCCGCCAGCCCCC  
 AAAAAGCCCAAGGAGCCCGAGTGAGGAGGAGAGTGCAGCAGATGGTGACTCCTCCGCCCCGGCTGGTCTG  
 TGGGCACGTACGACAGCAGCAACGCCAGCGACAGCGAGTTCAGCGACTTCGAGACCTCCAGAGACAAGAG  
 CCGCCAGGGCCCGCGCGGGGCAAGAAGGTGCGCAAAATGCCCGTCAGCTACCTGGGCAGCAAGTTCCTG  
 GGAAGCGACTGGAGAGTGAGGATGATGAGGAAGTGGTCGAGGCCTTCTCCGGCGACAGGAGAAGCAGC  
 CCAGCGCGCCGCTGCCCGCCCGCGTCAACCTGCCAGTGCCCATGTTTGAGGACAACCTGGGGCCTCA  
 GCTGTCCAAGCGGACAGGTGGCGGGAGTATGTCAGCCAGGTGCTCTGGGGGAAGCTGAAGCGGAGGGTG  
 AAGGGTTGGGCGCCGAGGGCGGGCCCGGGGTGGGCGAGGCCCGCTGGCCTCCACCGCAGTGGAGAGCG  
 CAGGGGTATCATCGGCGCCAGAGGGCACACGCCGGGGATCGCTTGGGAAACCGGGGAGATGTTTGTGT  
 GCCCCAGGCTTCCCTAGGCGATGGAGGCCAAGATCAACTGGGCCTCCTTTCGGCGCCGCAAGGAAGGAG  
 CAGACAGCACCCACAGGTGAGGGGCGAGACATCGAGGCTGATCAGGGGGAGAGGCTGCAGATAGTCAAA  
 GGAAGAGGCCATAGCTGACCAGCGGAAGGGGCTGCAGGTAATCAGAGGGCAGGGGCCCCAGCTGACCA  
 GGGGGCAGAGGCTGCAGATAATCAGAGGGAAGAGGCTGCAGATAATCAGAGGGCAGGGGCCCCAGCTGAG  
 GAGGGGGCAGAGGCTGCAGATAACACAGGGGAAGAGGCTGCAGATAATCAGAGGGCAGAGGCCCCAGCTG  
 ACCAGAGTCCACAGGGCACAGATAACACAGGGGAAGAGGCTGCAGATAATCAGAGGGCAGGGGCCCCAGC  
 TGACCAGGGGTACAGAGTTACAGATAATCAAAGGGAAGAGGCCGTACATGACCAGAGGGAAGGGCCCA  
 GCTGTCCAGGGTGCAGATAATCAGAGGGCACAGGCCCGGGCTGGCCAGAGGGCAGAGGCTGCACATAATC  
 AGAGGGCAGGGGCCCCAGGTATCCAGGAAGCTGAAGTCTCAGCTGCCAAGGGACCACAGGAACAGCTCC  
 AGGAGCCAGGGCCCGAAACAGGTCAAGACAGTGAAGTTCAGACCCCTGGACGCTTTTCGTGGTTTTGC  
 AAGCGCCGAGAGCCTTCTGGCACACTCCCGGTTGCCAACCTGCCAAGAGAGTCCCCAGGGCAGGAG  
 AGGCCAGGAACCTCAGGGTGTGAGGGCCGAGGCCAGAGCAGAAGCTGAGCAGGGAGAGCAAGAAGACCA  
 GCTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206818 representing NM\_032040  
 Red=Cloning site Green=Tags(s)

MLQIGEDVDYLLIPREVRLAGGVWRVVISKPATKEAEFRERLTQFLEEEGRTELEDVARIMEKSTPHPPQPP  
 KKPKEPRVRRRVQMVTPPPRLVVGTYDSSNASDSEFSDFETSRDKSRQGP RRGKVKRMPVSYLGSKFL  
 GSDLESEDEELVEAFLRRQEKQPSAPPARRRVNLPVPMFEDNLGPQLSKADRWREYVSQVSWGKLRKV  
 KGWAPRAGPGVGEARLASTAVESAGVSSAPEGTS PGDRLGNAGDVCVPQASPRRWRPKINWASFRRRRKE  
 QTAPTGGADIEADQGEAADSQREEAIDQREGAAGNQRAGAPADQGAEAADNQREEAADNQRA GAPAE  
 EGAEAADNQREEAADNQRAEAPADQRSQGTDNHREEAADNQRAEAPADQGEVTDNQREEAVHDQRERAP  
 AVQGADNQRAQARAGQRAEAHNQRAGAPGIQAEVSAAQGTTGTAPGARARKQVKTVRFQTPGRFSWFC  
 KRRRAFWHPTPLPLPKRVPRAGEARNLRVLRAEARAEAEQGEQEDQL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032040

**ORF Size:** 1614 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\\_032040.5](#)

**RefSeq Size:** 2775 bp

**RefSeq ORF:** 1617 bp

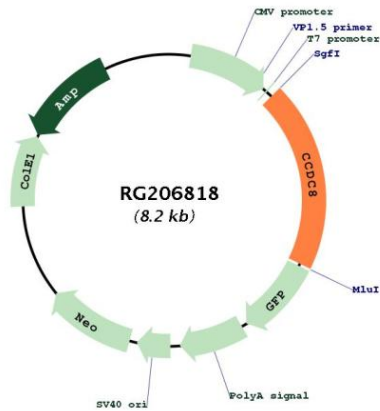
**Locus ID:** 83987

**UniProt ID:** [Q9H0W5](#)

Cytogenetics: 19q13.32

Gene Summary: This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a cofactor required for p53-mediated apoptosis following DNA damage, and may also play a role in growth through interactions with the cytoskeletal adaptor protein obscurin-like 1. Mutations in this gene are a cause of 3M syndrome-3 (3M3). [provided by RefSeq, Dec 2011]

**Product images:**



Circular map for RG206818