

Product datasheet for **RG200820**

CCDC86 (NM_024098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC86 (NM_024098) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200820 representing NM_024098 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATACACCGTTAAGGCGCAGCCGACGGCTGGGAGGCCTAAGGCCGAATCCCCGAGAGCCTCACCT
CAGTTTCGCGGACGAGACGGGCCCTTGTGGAGTTCGAGTCGAACCCAGAAGAAACGAGGGAGCCCGGTC
TCCTCCGAGTGTGCAGCGGGCTGGCCTGGGGTCCCCGAAAGGCCCGGAAGACAAGCCAGGATCACCC
CGTCTGCAGCAGGGTGCAGGCTTGGAGTACCCCAAGGGCAGCCAGAGCCAGGCGCAGCGTCCCCCAGC
GTCAGCAAGACCTACACCTGGAGTCGCCTCAAAGACAGCCAGAGTACAGTCTGAATCCCCACGATGTCA
GCCGAAGCCAAGTGAGGAGGCACCAAAGTGTTCTCAGGACCAGGGAGTACTGGCCTCGGAGTTGGCCAG
AATAAGGAGGAGCTGACCCCGGGGCCCCAGCATCAGTACCGCCGTCCAGGATCACCAGAGCCTT
ACCCCGGTGAGCAAGCTCCCGTCCGGAGCCCTCTCAGCCACTACTGGAGCTGACACCCAGGGCACCTGG
CTCCCCCGGGTCCAGCATGAGCCGAGCAAGCCACCTCCAGTGGGAGACGGTACAGGCGGCTTCGGG
GCAAAGAAGCGAAAAGTTCTTCATCCCAGGCCCCAGCGTCCAAGAAGTTGAATAAAGAGGAGCTTCTG
TAATCCCGAAGGGGAAGCCAAATCGGGCGAGTGTGGAAGGACCCTCAAGAAAAGATTCTCCAGAT
GCTTCAGGACAAGCCCTGCGCACATCGTGGCAGCGGAAGATGAAGGAACGACAGGAGAGGAAGCTGGCC
AAGGACTTTGCCGTACCTGGAGGAGGAGAAGGAGAGGGCCCGCAGGAGAAGAACAGCGCCGGGCTG
AGAACCTGAAACGCCCTGGAGAATGAGCGGAAGGCAGAGGTCGTCAGTATCCGAAACCCCGCAA
GCTCAAGCGGGCAAAGAAGAAGCAGCTGCGCTCCATTGAGAAGCGGGACACCCTGGCCCTGCTGCAGAAG
CAGCCGCCCCAGCAGCCGGCAGCCAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200820 representing NM_024098
 Red=Cloning site Green=Tags(s)

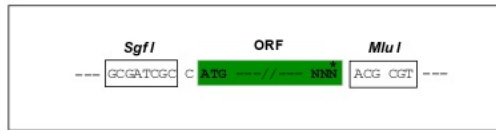
MDTPLRRSRRLLGGLRPESPELTSVSRTRRALVEFESNPEETREPGSPPSVQRAGLGSPERPPKTPGSP
 RLQQAGLESPQGPPEGAASPQRQDLHLESPQRQPEYSPESPRCQPKPSEEAPKCSQDQGVLAELAQ
 NKEELTPGAPQHQLPPVPGSPEYPGQQAPGPEPSQPLLELTPRAPGSPRGQHEPSKPPAPAGETVTGGFG
 AKKRKSSSSQAPASKKLNKEELPVIPKPKPKSGRVWVKDRSKKRF SQMLQDKPLRTSWQRKMKERQERKLA
 KDFARHLEEEKERRRQEKKQRRRAENLKRRENERKAEVVQVIRNPAKLRKRAKKQLRSIEKRDTLALLQK
 QPPQQPAAKI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_024098

ORF Size: 1080 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_024098.4](#)

RefSeq Size: 1910 bp

RefSeq ORF: 1083 bp

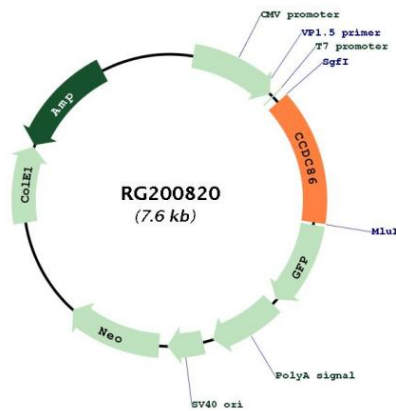
Locus ID: 79080

UniProt ID: [Q9H6F5](#)

Cytogenetics: 11q12.2

Protein Families: Druggable Genome

Product images:



Circular map for RG200820