

Product datasheet for **RG227147**

CCDC154 (NM_001143980) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CCDC154 (NM_001143980) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CCDC154 |
| Synonyms: | C16orf29 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>RG227147 representing NM_001143980
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGAGTTGGCTGACAGTGGACCCTCAGGGGCATCGGCCCTTCCCAGCTGAGAGCCGTCACCCTGG
AAGACCTGGGGCTCCTCCTGGCAGGAGGCTGGCCAGCCCCGAGCCCTTGAGCCTGGAGGAGCTCTCGGA
GAGGTATGAGTCCAGCCATCCGACATCCACGGCCTCTGTCCCGAGCAGGACACCGCCAAGCACTGGAAC
CAGCTGGAGCAGTGGTGGTGGAGCTGCAGGCCGAGGTGGCCTGCCTGCGGGAGCACAAGCAGCGTGTG
AGCGCGCCACGCGGAGCCTGCTGCGGGAGCTGCTCCAGGTGCGGGCCCGCTGCAGCTGCAGGGCTCAGA
GCTGAGGCAGTTGCAGCAGGAGGCGCGGCCAGCCAGGCCCCGAAAAGGAGGCGCCGGAGTTCTCT
GGTCTCCAGAACCAGATGCAGGCCCTGGACAAAAGGCTGGTGGAGGTCCGGGAAGCCTTGACCCGGCTCA
GGAGGAGCAGGTGCAACAGGAGGCGGAGAGAAGGGGCGCCGAGCAAGAGGCCGCTCAGACTGGCCAA
GCTGACCGACTTGTGCAGCAGGAGGAGCAGGGCCGGGAGGTGGCCTGCGGCGCCCTGCAGAAGAACC
GAGGACAGCAGCCGGAGGGTGGACTGGAGGTGGCCAGAATGCAGGCCAGGTGACCAAGCTCGGCGAAG
AGGTGAGCCTGCGCTTCTGAAGAGGGAGGCCAAGCTGTGCGGCTTCTGCAGAAGAGCTTCTGGCCCT
GGAGAAGAGAATGAAGGCCTCGGAGAGCTCACGGCTGAAGCTGGAGGGCAGCCTGCGGGGCGAGCTGGAG
AGCCGGTGGGAGAAGCTTCGGGGCTGATGGAGGAGCGCCTGCGGGCCCTGCAGGGGCGAGCATGAGGAGA
GCCACCTCCTGGAGCAGTGCAGGGCCTGGATGCTGCCGTGGCCAGCTGACCAAGTTTGTGCAGCAGAA
CCAGGCGTCGTGAACCGTGTCTACTGGCCGAGGAGAAAAGCCTGGGACGCCAAGGGGCGCTTGGAGGAA
AGCCGGGCTGGGAGCTGGCCGCTATGTGCAGGAGAACCTGGAGGCCGACAGCTGGCTGGCGAGCTGG
CCCGGCAGGAGATGCATGGAGAGCTGGTGTCTCCGAGAGAAGAGCCGGGCTCTGGAGGCATCCGTGGC
GCAGCTGGCCGGCAGTTAAAGGAGCTGAGTGGCCATCTCCCGGCTCTGAGCAGCCGGCTCGATCTGCAG
GAGCAGATGCTGGCCTCAGGCTGTCCGAGGCAAAGACCGAATGGGAAGGTGCAGAGAGGAAGTCCCTGG
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TGCAGCTGCTAAAGGAAGACAACCCTGGGCGGAAGATCGCGGAGATGCAGGGCAAGCTGGCCACGTTTCA
GAACCAATAATGAAGCTGGAAAAGTGCCTCCAGGCCAACAAGACCATCCAGAACCTCAGGTTCAACACT
GAGGCCCGGCTGCGCACGCAGGAGATGGCCACCCTGTGGGAGAGTGTGCTCCGGTGTGGAGTGAGGAGG
GCCCGCGACGCCGCTGGCAGCTGGAAGGCGCTCCCATCCCTGGTGAGGCCGCGGGTCTTCATCAAGGA
CATGGCGCCTGGCAAGGTGGTGGCCATGAAGTGTGGGGCGTGTACCAGGCTGTGAGGTGGCTGGCTGG
AAGGCGTCCCTCATAAAGCTCAGGGCCCTGCGGAGGCCAGGAGGGTCTGGAGAAGCCCCACAGCCAGG
AGCAGGTGCAGCAGCTCACACCCTCACTGTTTATCCAGAAA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG227147 representing NM_001143980
 Red=Cloning site Green=Tags(s)

MSELADSGPSGASAPSQLRAVTLEDLGLLLAGGLASPEPLSLEELSERYESHPTSTASVPEQDTAKHWN
 QLEQWVVELQAEVACLREHKQRCERATRSLLELLQVRARVQLQGSELRQLQQEARPAQAPEKEAPEFS
 GLQNQMQLDKRLVEVREALTRLRRRQVQQAERRGAEQEAQLRLAKLTDLLQQEEQGREVACGALQKNQ
 EDSSRRVDLEVARMQAVTKLGEEVSLRFLKREAKLCGFLQKSFLALEKRMKASESSRLKLEGLRGELE
 SRWEKLRGLMEERLRALQGQHEESHLLQEQGLDAAVAQLTKFVQQNQASLNRVLLAEEKAWDAKGRLEE
 SRAGELAAVYQENLEAAQLAGELARQEMHGELVLLREKSRALASVAQLAGQLKELSGHLPALSSRLDLQ
 EQMLGLRLSEAKTEWEGAERKSLEDLARWRKEVTEHLRGVREKVDGLPQQIESVSDKCLLHKSDSLRIS
 AEGKAREFKVGLRQELATLLSSVQLLKEDNPRKIAEMQGKLATFQNQIMKLENCVQANKTIQNLRFNT
 EARLRTQEMATLWESVLRLWSEEGPRTPLGSKALPSLVRPRVFIKDMAPGKVVPMNCWGVYQAVRWLRW
 KASLIKLRALRRPGGVLEKPHSQEQVQQLTPSLF IQK

TRTRPLE - GFP Tag - V

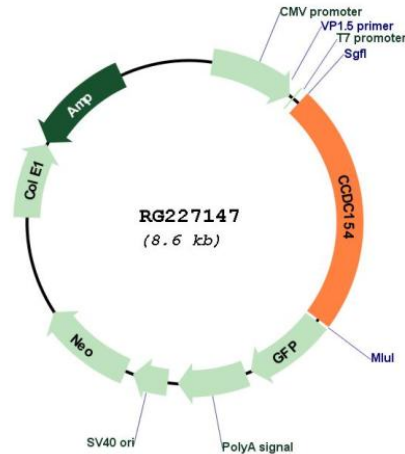
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001143980

ORF Size: 2001 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_001143980.1](#), [NP_001137452.1](#)

RefSeq Size: 2191 bp
RefSeq ORF: 2004 bp
Locus ID: 645811
UniProt ID: [A6NI56](#)
Cytogenetics: 16p13.3