

Product datasheet for **RG209330**

C7orf31 (NM_138811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C7orf31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG209330 representing NM_138811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGTCATTACGGCAGGCCCTACTGTTGCAGGGAGCTTGAAGGAGCTGACATACTGTCCAACACCT
 TTTACTCTAATGAATTGCACAACCCCTCCAGACGGTTACTCGCCCACTGCCTCAGAGGACAGGTATCA
 GGAATTAAGGGAGTCACTTCAACAATGTAGGCTTCCTTGGGCGCTGAAAGAGAGTATGGTGGGATAATA
 CCGATTTCACTCCCTGAGGACCACAGGCCAAAGTGTGAGCCTCCTCGTGTCAATGGGCAAGGACATCAGC
 ATTATGGATTTGGTGGAGAAACCTGGCCAAGAAAGCTTCTGTTGAACAATTTTATTATTTGACCCAGAA
 CAAAAAAGTGATGTCTATGGAAATGATTCTTTGATACCCAAGCCGCTAATTCAACAGTAGGAGAGATC
 TGCTTGCAATATCCAATTGAACACCCCTACCACACACATCTGTCGCGCGCCATGTTCCCCACCTTCA
 CGTCACCTGAGGACCTCTACACGGGCATTAAGCCCGCAGCCAGCAGCCCTTCTCCACGGTGCCAAG
 CAAGGCTTATGATTCAACAGTTTTGAAGACAAGAGGTAATCCTTATAGATATGAAGTATTGATTTCC
 ATGGATTCAAAGAAGAAAGCACTGACTTGGCCAGGTCAAGGTGTATATTATGATTTTCCAGAGGTGTTG
 AGAAAAATAAGCCAGTATTCTACCCAAAACCTCCTAAAACCTTCGCTCCTAACACTTCTTTAAATTCATG
 GGACCTTATTTGCTCTGCCAAGAAGCCAACATACAAGAAATCTTGAGAGGTCCCACTGGCTCACTTCG
 TACACTCATGATTTACAGGTCTGGGGCCATGGACCCCTTGAAGTGGATGATTACCATGAAAAGATGG
 TAGCAGAGTTAAACAGAAAGATAGGATTTGACCCAGAGCCGCAAGAAAAATTCACCCCTGTCTTCAAACC
 TCCAGACCGTTGGAAGGACGAATTGCCCGATTAATTCAGAACCAGCTTCTCTGGAGGCTATAGTCCAG
 CAAAGACCACTTCTGTCAGATTGTACTCTAGAGTTTTGTGTAATTTTATACCTTTGTACCCAGTT
 CTAAGAAATGGTGGCACTTAGTGATAACATACCAGCCGTGTGACCCATAAAACCAGGATATTGAAGA
 GAAGATCATAGAAGAACAGAGCTTGCTGTCTACCTATGAAGTCCCATCTTGTTACCCAAACAAAGACCTA
 ACTAGCATTTATGACATAAAGCCATTTCCAAAAATCACAGATACTAAAAAGACAGAAGATTATACTGGA
 GACAGCAGTCACTAAAAACCAACCCACACCTTACTGTAAACCAGACCACTGGATTCATATGAAAATCT
 TAAATCTCCCTACGTGATCAGTATAATATGTGTCCAGACCTGTAGCCTTAGTAAACCTAGTGTTTTA
 CAAAAATAACAAGACACGGAAGCTTCACTTTAGAACATTTTTTAAGTAAGCCAGAAGAAGAGTTGTTCT
 TGAATATGGAAGACAATGAAGAAACAAGACCTGTTCTTGGTTGGATTCTAGAGCTGGAGTGACCAAAACC
 TCAGACCAACCTGCTGGAGCTTAAGAACTCTTTTTCAAAACTGGTGCACAAAAGCGTTTCCATAAATCA
 ATTCTAGAAGACCATAAAGACCTCAGGGATAATGAGCATTGCGGGATGAAGACCAATTCTATGGCCATA
 ATTCCTATTATTTCTATAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209330 representing NM_138811
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MEVIHGRPYCCRELEGADILSNFYSELHNPLQTVTRPTASEDRYQELRESLQQCRLPWGAEREYGGII
 PISLPEDHRPKCEPPRVMGKGHQHYFGGETWPRKLPVEQFYLLTQNKSDVYGNDSLIPKPNSTVGEI
 CLQYPYIEHPYHTHICRGAMFPTFTSPEDLYTGKARTQQFPPTVPSKAYDSTVLKTRGNPYRYELIDIP
 MDSKKKALTWPQGQVYYDFPRGVEKNKPVFYKPPKTFAPNTSLNSWDPICSAKEANIQRNLSHWTLS
 YTHDFTLGLPMDPLEDDYHEKMVAELTRKIGFDPEPQEFHPVFKPPRPLEGRIARLIQNRRLSLEAIVQ
 QRPRSCPDCTPRVLCNFHTFVPSKEMVALSDNIPAGVTHKNQDIEEKIIEEQSLLSTYELPSCYPTKDL
 TSIYDIKPFPKITDTKKTEDLYWRQQLKTQPTPYCKPDHWIHYENLKSPLRDQYNMCPDPVSLSKPSVL
 QNKQDTEAFTLEHFLSKPEEELFLNMEDNEETRPVLGWIPRAGVTKPQTNLLELKNFSKTAQKRFHKS
 ILEDHKDLRDNHSGMKHQFYGHNSYFFYN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138811

ORF Size: 1770 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:

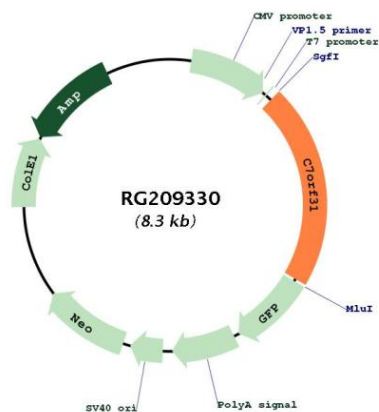
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138811.3](#), [NP_620166.3](#)

RefSeq Size: 3609 bp
 RefSeq ORF: 1773 bp
 Locus ID: 136895
 UniProt ID: [Q8N865](#)
 Cytogenetics: 7p15.3

Product images:



Circular map for RG209330