

Product datasheet for **RG207816**

C1orf131 (NM_152379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf131 (NM_152379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1orf131
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207816 representing NM_152379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGTTGATTCTCGGCTGACCCACAATGTCGCAGGAGCAAGGGCCGGGTCCTCCACGCCTCCCA
GTTCTCCGACACTTCTTGACGCTCTGCTCCAGAACCTTTACGACTTTGGAGGTACAGAAGGTGAAACAGA
ACAGAAGAAGATCATAAAGAAAAGGGAACAAGAAGAGAGATGTGATGGCTTCAGCGGCCTTGGCAGCA
GAGCCATCTCCCTACCTGGTTCTCTCATAAGAGGCCAGAGGAAGAGCGCTTCGAGCTTCTTCAAGGAAC
TTAGAGAAGAGCGGCATTGTGCTCCTTCTGGGACCCCCACAGGACCAGAGATCCTTGCTGCTGCAGTTCC
TCCTCTTCCCTAAAGAACAATAGGGAACAAGTAGAAGTGGTAGAATTTACAGCAATAAAAAAGAAAA
TTGACGCCAGATCATAACAAGAACAAGGCTAATCCTAGTGTTTTGGAGAGAGATGTGGATACACAAG
AATTTAACCTAGAAAAAGCTCGTTTAGAAGTGCACCGGTTTGGTATCACGGGTTATGAAAAGGAAAGGA
GAGAATCCTGGAACAGGAACGTGCCATTATGCTGGGCGCTAAGCCTCCTAAAAAGAGTTATGTGAATTAC
AAGGTTTTACAGGAGCAAATTAAGAAAAAAGGCAGCAAAGGAAGAAGAAAAGAGACTGGCCCAAGAAA
CAGATATTTTCAAGAAAAAGAGGAAAGGACAGGAGGACAGGAAATCCAAAAAGAGTCCGCTCCAG
TATTTTGTCAAATGGACGGATTGGACAGGTTGGAAAATTCAAAAATGGAACACTGATTCTGAGCCAGTT
GATATCAAGAAAAATAATTCTTCAGAGTGCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG207816 representing NM_152379
Red=Cloning site Green=Tags(s)

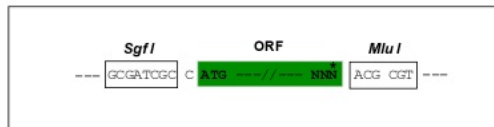
MRVDSSADPTMSQEQGPSSTPPSSPTLLDALLQNLDFGGTEGETEQKKIIKKRENKKRDVMASAAALAA
EPSPLPGSLIRGQRKSASSFFKELREERHCAPSGTPTGPEILAAAVPPSSLKNNREQVEVVEFHSNKKRK
LTPDHNKNTKANPSVLERDVTQEFNLEKARLEVHRFGITGYGKGERILEQERAIMLGAKPPKSYVNY
KVLQEIQEKKAAKEEEKRLAQETDIFKKKKRKGQEDRKSKKKSAPSILSNGRIGQVGKFKNGTLILSPV
DIKKINSSRVAK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



CTATAGGGCGGCGGGAATTCGTGACTGGATCCGGTACCGAGAGATCTGCCGCCGATCGCCGGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT

PmeI FseI

- - E E R V Stop

ACCN: NM_152379

ORF Size: 876 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_152379.2](#), [NP_689592.2](#)

RefSeq Size: 1486 bp

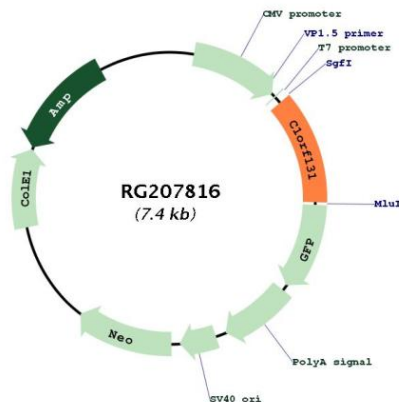
RefSeq ORF: 882 bp

Locus ID: 128061

UniProt ID: [Q8NDD1](#)

Cytogenetics: 1q42.2

Product images:



Circular map for RG207816