

Product datasheet for **RG221811**

C7orf57 (NM_001100159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C7orf57 (NM_001100159) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C7orf57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221811 representing NM_001100159 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAACACAAGCAAGGAATTCAGGGCGCCACGCACCGCTACGCTCCCTGCGATTGGTATTACCACG
TCCAGTGAAGCGCTCTGAGAAGGCCGTGGATGCCCCACCAGCGTCCAGATCCAGGTCTCAGCAATTT
GGGAGACTCACACAGCGAGAACCTGCCTGGGACTCGGAGATACTGGATAAAAGAAACAGATTCGGAATAT
GTGAAGCTCGCGAAACAAGGTGGCAGGCCGATTTGTTGAAGCACTTTGCCCTGGAACCAGGAAAGGCT
CTCCAGTGGCCTACTCCCTGCCAGACTGGTATATCCACCACAGCAAGCCACCGACGCCAGCCAGCAAGA
AGTGC GGCTGTCTCCATGCCGATTACATGGTTCATGAAGAATTTAACCCGATCAAGCCAATGTTAGC
TATGCATCCAGAAGAGGGCCCTTCGACTTCGACATGAAAACAGTTTGGCAAAGAGAGGCTGAGGAACTTG
AAAAGGAGAAAAAAGCTGAGGCTACCGGCCATTGACTCAAAGTATCTGAGCAAAGCAGGCACCCCACT
TGGCCCTAAGAATCCTGCAGGAAGTAGACTCTCCTTCCCCCGTGCCTGGTCAAAAAACAGTTTACCT
ACCAATTTTCCAACTCATTAGCAATGGTTATAAGGATGAGTGGTTGCAGCAGCAGCAGCGAGCTGACT
CAGACAAGAGGACCCGAAGACCTCCAGGGCATCAGTGTATCTCAGTCCCCACGAGACCTGGAAGGTCC
CCAGGATGCAGCCAGGCTCCAGGATGCAGAGGCTTCTGAAGTCTCTGAGGACACCCAGAGTCTTCTCAA
AGCCCAAGAATCTGTATCTGCATCAACACCAGCAGAGCTCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221811 representing NM_001100159
 Red=Cloning site Green=Tags(s)

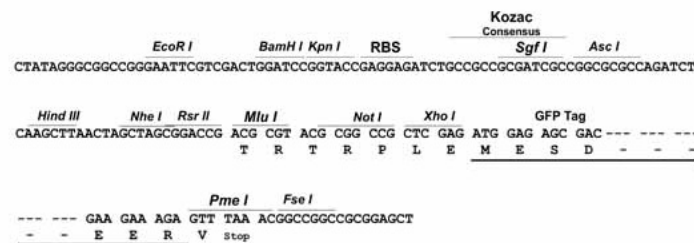
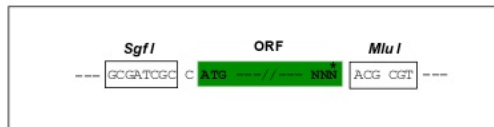
MRNTSKELQGATHRYAPCDWYYHVPVKRSEKAVDAPPASQIPGLSNLGDHSENLPGTRRYWIKETDSEY
 VKLAKQGGRPDLLKHFAPGTRKGSVPVAYSLPDWYIHHSKPPTASQQEVRAVSMPPDYMVHEEFNPDQANGS
 YASRRGPFDFDMKTWQREAELEKEKKLRLPAIDSKYLSKAGTPLGPKNPAGSRLSFPPVPGQKNSSP
 TNFSKLISNGYKDEWLQQQQRADSDKRTPKTSRASVLSQSPRDLEGPQDAARLQDAEASEGPEDTPESSQ
 SPEESVSASTPAELK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001100159

ORF Size: 885 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_001100159.3](#)

RefSeq Size: 2167 bp

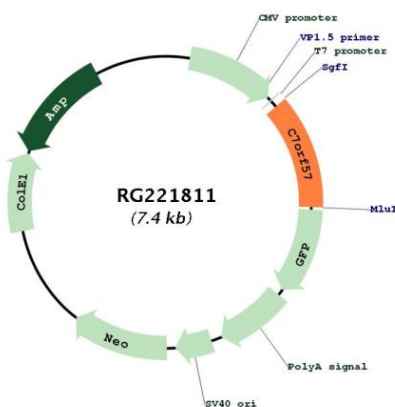
RefSeq ORF: 888 bp

Locus ID: 136288

UniProt ID: [Q8NEG2](#)

Cytogenetics: 7p12.3

Product images:



Circular map for RG221811