

Product datasheet for **RG204387**

Clorf163 (COA7) (NM_023077) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf163
Synonyms:	Clorf163; RESA1; SCAN3; SELRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204387 representing NM_023077
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGCATGGTGGACTTCCAGGATGAGGAGCAGGTCAAGTCCTTTTGGAGAACATGGAGGTGGAGT
GCAACTACCACTGCTACCAAGAGAAGGACCCGGACGGTTGCTATCGGCTGGTGGACTATTTGAAGGGAT
CCGGAAGAATTTTATGAGGCTGCCAAGGTGTTGAAGTTAACTGTGAAGAGAACCAGCACAGTGATAGC
TGCTACAACTGGGGCCTACTATGTGACTGGAAAAGGTGGTCTGACCCAGGACCTGAAAGCTGCCGCCA
GGTGCTTTTGTATGGCGTGTGAGAAGCCTGAAAAGAAGTCAATAGCAGCATGTCACAACGTTGGCCTCCT
GGCACATGATGGACAGGTTAATGAGGATGGCCAGCCTGACTTGGGAAAGGCCAGGGACTACTACACAAGG
GCCTGTGATGGTGGCTATACTCCAGTTGCTTCAACCTCAGTGCCATGTTCTGCAGGGTGCCCCAGGCT
TTCCCAAGGACATGGACCTGGCATGTAATACTCCATGAAAGCCTGTGACCTGGGTATATCTGGGCCTG
TGCCAATGCCAGTCGCATGTACAAGCTGGGGGATGGTGTGATAAGGATGAGGCCAAGGCCGAGGTGCTA
AAAAATCGAGCCCAGCAGCTACACAGAGAAGCAGAGAAAGGTGTCCAACCTTAACATTTGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204387 representing NM_023077
Red=Cloning site Green=Tags(s)

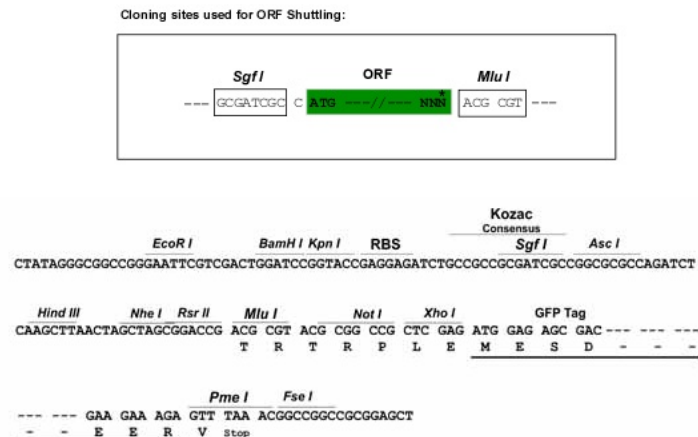
MAGMVFQDEEQVKSFLNMEVECNHYHCYHEKDPDGCYRLVDYLEGIRKNFDEAAKVLKFNCEENQHS
CYKLGAYYVTGKGLTQDLKAAARCFMACEKPGKKSIAACHNVGLLAHDGQVNEGGQPDLGKARDYYTR
ACDGGYTSSCFNLAMFLQGAPGPKDMDLACKYSMKACDLGHIWACANASRMKLGVDKDEAKAEVL
KNRAQQLHREQQKGVQPLTFG

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023077

ORF Size: 693 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:

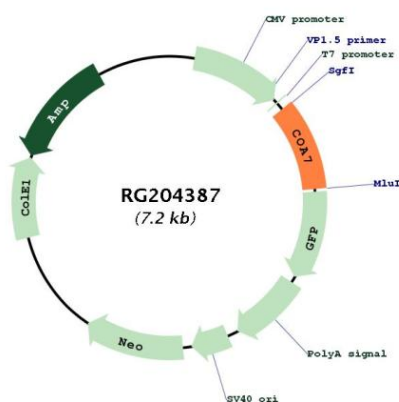
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_023077.1](#), [NP_075565.1](#)

RefSeq Size:	1614 bp
RefSeq ORF:	696 bp
Locus ID:	65260
UniProt ID:	Q96BR5
Cytogenetics:	1p32.3
Domains:	SEL1
Gene Summary:	Required for assembly of mitochondrial respiratory chain complex I and complex IV. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204387