

Product datasheet for **RG214179**

C17orf55 (NM_178519) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C17orf55
Synonyms:	FLJ39421; MGC120553; MGC120556
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214179 representing NM_178519
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGAGATCCCTGAAGCGGGGCCAGCTCCGTTCACTGCTCCCCGGCCTCCTGCTGTTTCCACACGC
AGCCATGGTACAGGGCAGCTCATCCACCACCTCCCCAACCGCAGCCTCCAGGGATGTACACCTGCCTC
AGGGGCTGTGCTGGGCCCTGGCTGGTGGAGGGCACAGCCGTACAGGAAGGCCCTCAGCTGCAGGATGCC
GTGCTCAGAGACCAACAGGCCCTCGAAGGCACTGTGGCCGGCCAGATGTCAGCAGCTCCAGCAATTA
GGCTGGGACAGATGGTGCCTGGTGACACAAGGGGACTGTGGGGGCCACAGGGGACCTGCTCACCTGGAC
CTACCGTGGAGGCCAGGGAGGAGATGGACTCGAAGGGCGGAAGGGCCAGAGAAGGCACATTTGCAGAG
CAGCGGCCGATTTCCAGAGCTCGGGAGCCCAACAGGAATCCCGTCTGGCCATGGGACCACCGCCCTTGG
GGCTGGGGGATGCCGAGGGGACGGCAGAGGGCAGACAGGCCAGGAAAAGGGAGGGCAGAGGGCAGACA
GGCCAGGAAGAGCCCTGCAAGTGCCCAAGGAAGGGACCAAAACCCAGGCCCTGGACCAGAGCGGCCGCC
TGGTGGGGCAGGCTGGAAGGGGCCAAGGCCAGCGCCAAGGGGGAGCAGGTGAGGGACCCTGGTGGGCATC
TGTGGGAACAAGGCCACGTTTCTCCCTGCGCACGCTTAATCAAGGACATTCTGTGGTTCTCCAAAAGT
GTCGCACACTACATGGGTGTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG214179 representing NM_178519

Red=Cloning site Green=Tags(s)

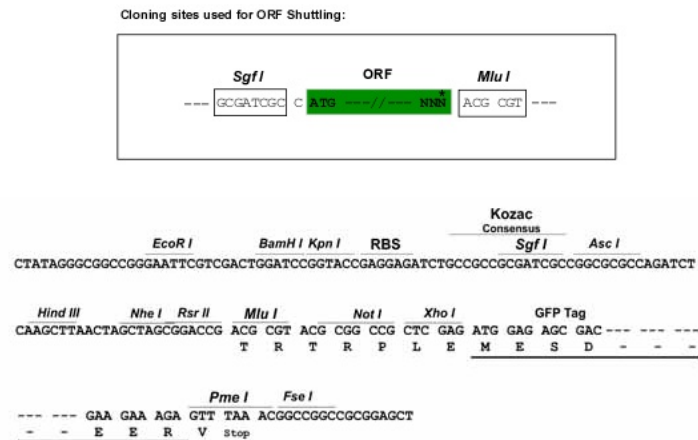
MPRSLKRAQLRSLLP RP PAVSHTQPWYRAAHP TTSPTAASRDVHPASGAVPGPWLVEGTAVREGPQLQDA
VPQRPTRPSKALWPAQMSAAPAIRLGQMPGDTRGLWGPQGTLLTWTYRGGQGRWTRRAEGPREGTF AE
QRPHFQSSGAQQESRLAMGPPPLGLGDAAGDGRGTGQEKGRAEGRQARKSACKCPRKGP NPGPWTRAAA
WWGRLEGAKASAKGEQVRDPGGHLWEQGHVSPCARFNQGHSCGSPKVSHTTWVS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_178519

ORF Size:

792 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_178519.2, NP_848614.1

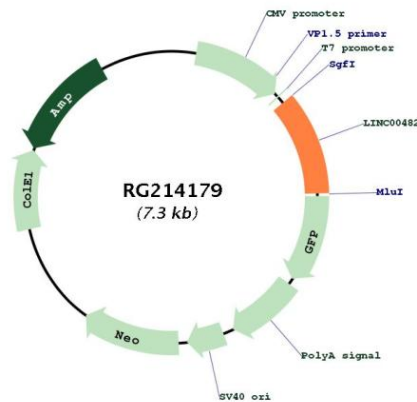
RefSeq Size: 2970 bp

RefSeq ORF: 794 bp

Locus ID: 284185

Cytogenetics: 17q25.3

Product images:



Circular map for RG214179