

Product datasheet for **RG207347**

C6orf146 (FAM217A) (NM_173563) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C6orf146
Synonyms:	C6orf146
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207347 representing NM_173563
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAGAAGAAATGAGAACTGTGCTAACAGCCTACGTGTGTCAAACATCTCTCAGGAGAACTTATCTC
 ACTGGAATTTGGATTTCAGAACTACCTGTTTCTGAAAAATAAACCTCCAGCTGGAAGGGATGGAGCAGC
 AGGTGGCAAAATTAACAAGAACTATTTGGAATTCAGTGGAGCAACTGATGCTAGAACCTAATTTGTGC
 GTGCATAGTCAAAAAGTACACAGAATAGTAAACAAGGGATCTTTCAATTATGGAATTGCTCTTAATG
 AAGGAAGTACCATAGAGAAGAGGGAATTCAAAAATCTTCAGTGGAACTGGCTTTAATGTAATCAATCA
 TCCATTAAGGGTCTTCACTCTGAACCATCCATTAACAATTGCTTCAGTTGATAAGCAAGTTGGTCTTAC
 CCTGGACTGCCAATGCCATTAGGTCTCTGCTGGCCCTATGCTGATGGAGACTTTTTTAAGAACAGAAATG
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 ACAAAATGATACTTTACTCAGCTATTTTAAAAAGGTGGACCTGAACTTGAAGCCAGAAACAATAAAAAATG
 TTGAGGAACCTTTACCGAGGAGCCAAATGAAGTATTTCCATATCCTGATTTTCTCCCTCCTCTTCAG
 TGCTCTAGACTTGACAATTTAGCCCTCTCCAATCTGACAATTGGAAAGTGACAGTGGACCCTGCAGAA
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 GACCAAAAAAGAACTTTACCGACAAAATATAGTGTGAATAGACCATTCTCTATTGAGAAGCTAACTGT
 TTGTCGCCTTCCCTTATTGCTAAGGATAAGTGCTGCTCACCATTGAACAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

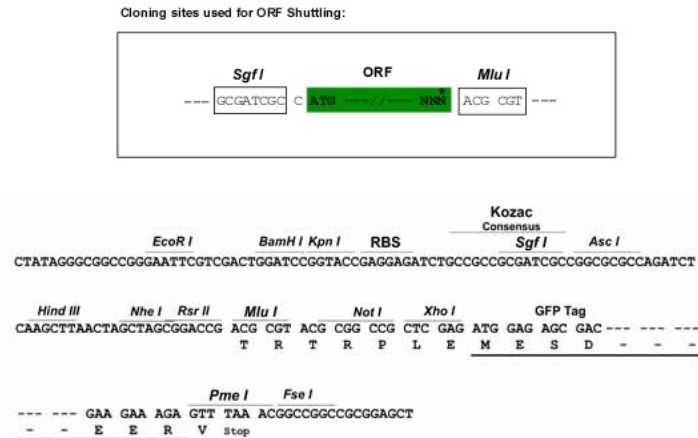
Protein Sequence: >RG207347 representing NM_173563
 Red=Cloning site Green=Tags(s)

MGRNENCANSLRVSNISQENLSHWNLDSEVPVSENKNLPAGRDGAAGGKINKNYLEIPVEQLMLEPNLS
 VHSQSTQNSKQIFQLWNCPLNEGSTIEKREFKSSVETGFNVINHPIRVFTLNHPLTIASVDKQVGPY
 PGLPMPLGLWPYADGDFFKNRNEIHVSSCTIENNDGETLPAPNWNLKHGNSVVEENFTDESDLSENEK
 TNDTLLSYFKKVDLNLKPETIKNVEEPFTEEPNEVFPYPDFLPPPFSAIDLHLALSKSDNWKVTVDPAE
 TSVEHLITRLLERLQHMTIQKERPRLQTTCTPAVTERPSSSKATPKVRQPKLCDSLSLQIPCVDKSQ
 ESKNNSGCKLEQNALKRWNWSNAGKYRWNSRPLSLKSSSTPKQLIETYDKNPKSSILSPCQELSFKPTI
 GHTNQSMVKMISTRCLPWRSPMPVSPILTFPENQKEEIKAPKRNFGTKKKLYRQNIVLNRPFSIQKLNC
 LSPSLIAKDKCCSPIEQK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173563

ORF Size: 1524 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_173563.1](#), [NP_775834.1](#)

RefSeq Size: 2230 bp

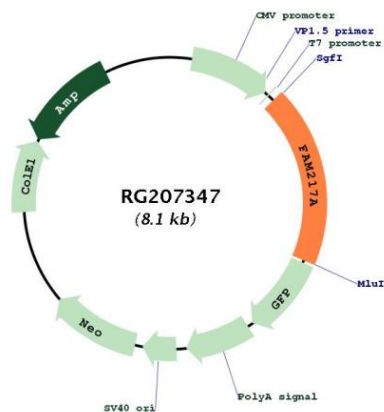
RefSeq ORF: 1527 bp

Locus ID: 222826

UniProt ID: [Q8IXS0](#)

Cytogenetics: 6p25.2

Product images:



Circular map for RG207347