

Product datasheet for RG233215

OriGene Technologies, Inc.

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C1orf86 (FAAP20) (NM 001256947) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C1orf86 (FAAP20) (NM_001256947) Human Tagged ORF Clone

Tag: **TurboGFP** Symbol: FAAP20

C1orf86; FP7162 Synonyms:

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG233215 representing NM_001256947 Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GTGCGGCCCGGAGCCCACTGAAGTCTTCACTGTCGGACCCAAGACCTTTTCCTGGACACCCTTTCCGCCG GACCTGTGGGGCCCGGCCGTTCCTACCGGCTGCTTCACGGGGCAGGAGGGCACCTGGAATCCCCCGCCA GGTCCCTGCCCCAGCGCCCGGCACCTGATCCCTGCAGGGCCCCCAGGGTGGAGCAGCAGCCGTCTGTGGA

GGGTGCCGCGCCCTGCGCAGCTGCCCCATGTGCCAGAAGGAGTTCGCCCCCAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

>RG233215 representing NM_001256947 **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MEAARRPRLGLSRRRPPPAGGSPGAARSPLKSSLSDPRPFPGHPFRRTCGARAVPTGCFTGQEGTWNPPP

GPCPSARHLIPAGPPGWSSSRLWRVPRPCAAAPCARRSSPPG

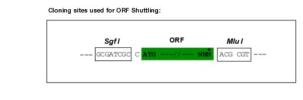
TRTRPLE - GFP Tag - V

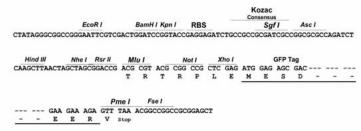
Restriction Sites: Sgfl-Mlul



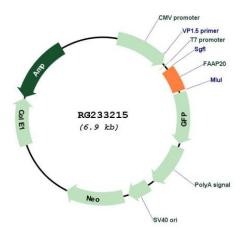


Cloning Scheme:





Plasmid Map:



ACCN: NM 001256947

ORF Size: 336 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



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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 001256947.1, NP 001243876.1

RefSeq Size: 610 bp
RefSeq ORF: 339 bp
Locus ID: 199990
UniProt ID: Q6NZ36
Cytogenetics: 1p36.33

Gene Summary: Component of the Fanconi anemia (FA) complex required to recruit the FA complex to DNA

interstrand cross-links (ICLs) and promote ICLs repair. Following DNA damage recognizes and binds 'Lys-63'-linked ubiquitin generated by RNF8 at ICLs and recruits other components of the FA complex. Promotes translesion synthesis via interaction with REV1.[UniProtKB/Swiss-

Prot Function]