

## Product datasheet for RC233215

### 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:** Myc-DDK  
**Symbol:** FAAP20  
**Synonyms:** C1orf86; FP7162  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC233215 representing NM\_001256947  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGGCGGCGGAGGCCGGCTGGGTTGAGCCGCCGAGGCCGCCCGGGCGGGGAGCCAG  
 GTGCGGCCGGAGCCCACTGAAGTCTTCACTGTGCGACCAAGACCTTTCTGGACACCCTTTCGCCG  
 GACCTGTGGGGCCGGGCGTTCCTACCGGCTGCTTACGGGGCAGGAGGGCACCTGGAATCCCCGCCA  
 GGTCCCTGCCCCAGCGCCCGGCACCTGATCCCTGCAGGGCCCCAGGGTGGAGCAGCAGCGCTCTGTGGA  
 GGTGCCGCGGCCCTGCGCAGCTGCCCCATGTGCCAGAAGGAGTTCGCCCCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233215 representing NM\_001256947  
 Red=Cloning site Green=Tags(s)

MEAARRPRLGLSRRRPPAGGSPGAARSPLKSSLSDRPFPGHPFRRTCGARAVPTGCTGQEGTWNPPP  
 GPCPSARHLIPAGPPGWSSSRLWRVPRCAAAPCARRSSPPG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

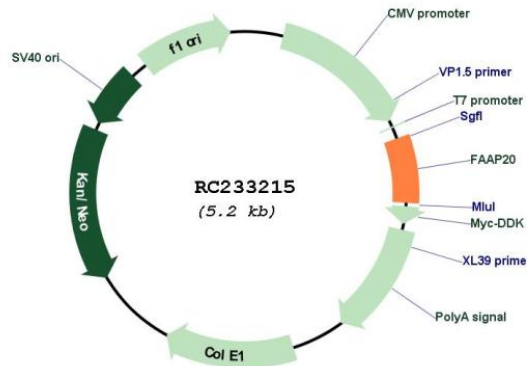


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Cloning Scheme:



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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001256947.1</a></u> , <u><a href="#">NP_001243876.1</a></u>
<b>RefSeq Size:</b>	610 bp
<b>RefSeq ORF:</b>	339 bp
<b>Locus ID:</b>	199990
<b>UniProt ID:</b>	<u><a href="#">Q6NZ36</a></u>
<b>Cytogenetics:</b>	1p36.33
<b>MW:</b>	12.2 kDa
<b>Gene Summary:</b>	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]