

## Product datasheet for RC237172

### C1orf86 (FAAP20) (NM\_001282670) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_001282670) 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:	>RC237172 representing NM_001282670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGTGGGCCCGAGCACCTGCTCTGCTGCCCAAAGATCTGGCGATGTTCCAGGCAACTGTCTCTCA  
CAGCCTGTCTGCCTGGCACTCCCGTATCCATAAATGCCACCACATCTGGCTATGGGTGGCGTGCCTGC  
CTGGCATCCACGGCCAGCAGGTGTGGTGGAGCACAGCCAGTTCCTGGCTGCGTCAGAAGGCTGCCCGG  
GCCTTTTGGCTGTCTTCCAGCAGCAAACTCCGTACCCACAGCAGCAGATGGCTCCGAAGAAGTGAGG  
CGTTTTTATCAGGTTCAACTTTGAAACCTCCACCATCACCATCACCAGCACCGCTGTGTCATGCTGATAA  
CTTGAGGACAGGCAGGACAAGGCCTTCTGGCGGCCGCCCTGGTTTCTCCTGGGGGTGATGAGCGGGAG  
CGGCTCTGGCCGAGCTACTGCGCACGGTGAGCCCGGAGCTGATCCTGGATCACGAGGTGCCTTCACTGC  
CCGCCTTCCAGGACAGGAGCCAGGTGCGGCCCGGAGCCCACTGAAGTCTTCACTGTCGGACCCAAGAC  
CTTTTCTGGACACCCTTCCGCCGACCTGTGGGGCCCGGGCCGTTCTACCGCTGCTTACGGGGCA  
GGAGGGCACCTGGAATCCCCGCCAGGTCCCTGCCCCAGCGCCCGGCACCTGATCCCTGCAGGGCCCCCA  
GGGTGGAGCAGCAGCGTCTGTGGAGGGTGCCCGGCCCTGCGCAGCTGCCCCATGTGCCAGAAGGAGTT  
CGCCCCAGGCTGACCCAGCTGGATGTTGACAGCCACCTGGCCAGTGTGGCCGAAAGCACAGAAGAC  
GTGACGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237172 representing NM\_001282670  
 Red=Cloning site Green=Tags(s)

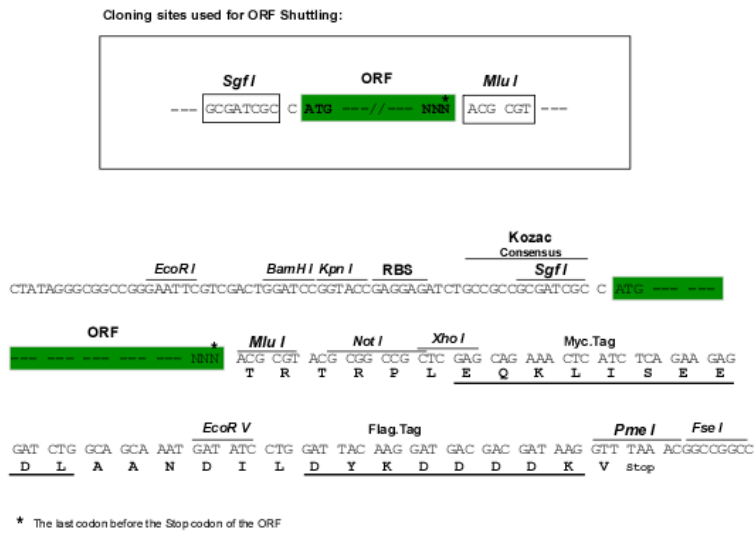
MCGPEHLLCCPKDLAMFPRQLSLTACLPGTPVSHKCHHIWLWVGVPAWHPRASRCGGAQPSSWLRQKAAR  
 AFWLSLPAAKLRHSSRWLRRSGAFSSGSTLKPPSPSPAPLCHADNLRTGRTRPSSGRPWFLGGDERE  
 RLWAE LLRTVSP ELILDHEVPSLP A F P G Q E P R C G P E P T E V F T V G P K T F S W T P F P P D L W G P G R S Y R L L H G A  
 GGHLESPARSLPQRPA PDPCRAPRVEQQPSVEGAAALRSCPMCQKEFAPRLTQLDVDSHLAQCLAESTED  
 VTW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

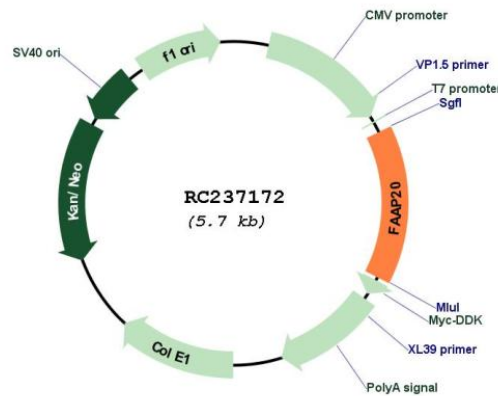
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282670

**ORF Size:** 849 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001282670.1</a> , <a href="#">NP_001269599.1</a>
<b>RefSeq Size:</b>	3592 bp
<b>RefSeq ORF:</b>	852 bp
<b>Locus ID:</b>	199990
<b>UniProt ID:</b>	<a href="#">Q6NZ36</a>
<b>Cytogenetics:</b>	1p36.33
<b>MW:</b>	31.7 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]