

Product datasheet for RC233409

C1orf86 (FAAP20) (NM_001256946) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf86 (FAAP20) (NM_001256946) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1orf86
Synonyms: C1orf86; FP7162
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233409 representing NM_001256946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCGCGCGGAGGCCGCGCTGGGGTTGAGCCGCCGAGGCCGCCCGCGGGCGGGCCTTCTG
 GCGGCCGCCCTGGTTTCTCTGGGGGTGATGAGCGGGAGCGGCTCTGGCCGAGCTACTGCGCACGGT
 GAGCCCGAGCTGATCCTGGATCAGGAGTGCCTTCACTGCCCGCTTCCAGGACAGGAGCCAGGTGC
 GGCCCGAGCCACTGAAGTCTTCACTGTCGGACCAAGACCTTTTCTGGACACCTTTCCGCCGACC
 TGTGGGGCCCGGCGCTTCTACCGGCTGCTTACGGGGCAGGAGGCACCTGGAATCCCCGCCAGGTC
 CCTGCCCCAGCGCCCGCACCTGATCCCTGCAGGGCCCCAGGGTGGAGCAGCAGCCGTCTGTGGAGGT
 GCCCGGCCCTGCGCAGCTGCCCATGTGCCAGAAGGAGTTCCGCCCCAGAAGCAAAAACAGCTCGGGAA
 TGCGAAGGCACCGGAGTCCAAGTTGGCAGCCAACAACAACAACAAGAAAAGGCCGGGCACGGTG
 GCTCACGCCTGTAATCCCAGCCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233409 representing NM_001256946
 Red=Cloning site Green=Tags(s)

MEAARRPRLGLSRRRPPAGGPPSGRPFLLGGDERERLWAE LLRTVSP ELILDHEVPSLPAFPQGEP RC
 GPEPTEVFTVGP KTF SWTPFPDLWGPGRSYRLLHGAGGHLESPARSLPQRPA PDPCRAPRVEQQPSVEG
 AAALRSCPMCQKEFAPRSKNSSGMRRHRSPKLAANNNNNKRKGRARWLPVIPAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256946

ORF Size: 585 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.

RefSeq: [NM_001256946.1](#), [NP_001243875.1](#)

RefSeq Size: 1580 bp

RefSeq ORF: 588 bp

Locus ID: 199990

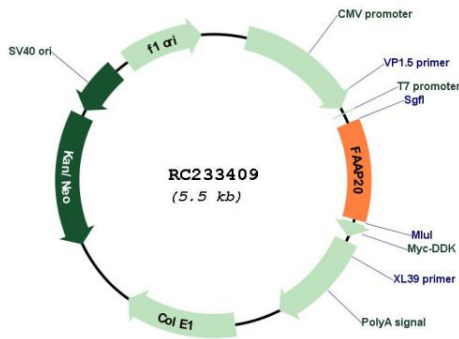
UniProt ID: [Q6NZ36](#)

Cytogenetics: 1p36.33

MW: 22 kDa

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]

Product images:



Circular map for RC233409