

Product datasheet for SC328362

C1orf86 (FAAP20) (NM_001146310) Human Untagged Clone

Product data:

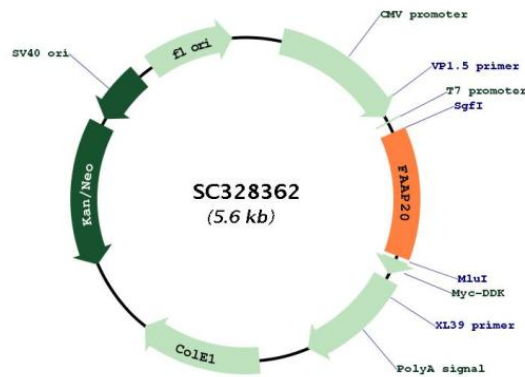
Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_001146310) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAAP20
Synonyms:	C1orf86; FP7162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328362 representing NM_001146310. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCAAGCACAGTTTCCTATGACAAGTGAAACCTGTGCGCCACAGCAAACTCCGTCAACACAGC
AGCAGATGGCTCCGAAGAAGTGGAGCGTTTTTCATCAGGTTCAACTTTGAAACCTCCACCATCACCATCA
CCAGCACCGCTGTGTCATGCTGATAACTTGAGGACAGGCAGGACAAGGAGCCAGGTGCGGCCCGGAGC
CCACTGAAGTCTTCACTGTCGGACCCAAGACCTTTTCTGGACACCCCTTCCGCCGGACCTGTGGGGCC
CGGGCCGTTCTACCGGCTGCTCACGGGCAGGAGGGCACCTGGAATCCCCGCCAGGTCCTGCCCC
AGCGCCCGGCACCTGATCCCTGCAGGGCCCCAGGGTGGAGCAGCAGCCGTCTGTGGAGGGTGCCCGGG
CCCTGCGCAGTGCCCATGTGCCAGAAGGAGTTCCGCCCCAGGTA
CTCAACTCCCGCCCCACCTGT
GTCCCGCTGGCTCCTAAGCTGCCCCCTACGTGTGGGTTGCGTCTGAGATGTGGGGCAGGCGCCACTCA
CGGAAAAAAGGCATCAGAGGAGCTTCCACATCATCGGAACATTTTATTCTCAGGACGCTACACGCTCA
CTTTCCTGGCGGAGCAGGTCA
CGATCGATTCTGTTCCGTGGAAAATGTGCACCTTGAAAACCGCA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001146310

Insert Size: 693 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001146310.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/taxonomy/NCBI/1/109/133296694/1/109/133296694.1)

RefSeq Size: 2301 bp

RefSeq ORF: 693 bp

Locus ID: 199990

Cytogenetics: 1p36.33

MW: 25 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]

Transcript Variant: This variant (1) shares a central coding exon but includes alternate exon structure in both its 5' and 3' regions, and it thus differs in both UTRs and in the coding region, compared to variant 2. The encoded isoform (1) is distinct and longer, compared to isoform 2, but it shares regions in common with isoforms 3 and 5.