

Product datasheet for **SC333952**

C1orf86 (FAAP20) (NM_001282672) Human Untagged Clone

Product data:

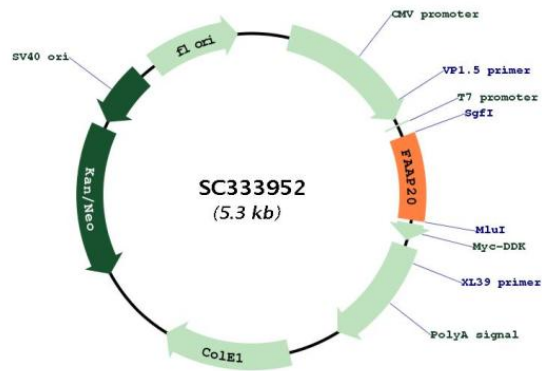
Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_001282672) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAAP20
Synonyms:	C1orf86; FP7162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333952 representing NM_001282672. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCCTGGGGTCTCTGCGCCTGGCCAAGAGGGCTGCGTGGCAATTTCCACACCTGTGCACCAGGC
CTCACTCAGAGGCATGAGGTGGCGCACCCCTCTCCCAGGGAGCTCAGAAGACGGCTCTGCCACACCT
GACACCTGGCAGCTGGCAGCCCTGCCTCTAGGAAGCCTCAGCTCTGGACAGCTGTGCCTTCACCTGAGG
GGTACTTCAACTCCCGCCCCACCTGTGTCCCGCTGGCTCCTAAGCTGCCCCCTACGTGTGGGTTGCG
TCTGAGATGTGGGCAGGCGCCACTCACGAAAAAAGGCATCAGAGGAGCTTCCACATCATCGGAACAT
TTTATTCTCAGGACGCTACACGCTCACTTTCCTGGCGGAGCAGGTCAGTGCATCGAGTTCTGTTCCG
TGGAAAATGTGCACCTTGAAACCGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001282672

Insert Size: 444 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).

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_001282672.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/taxonomy/NCBI/1/109618.1/FASTA?term=NM_001282672.1)

RefSeq Size: 2251 bp

RefSeq ORF: 444 bp

Locus ID: 199990

UniProt ID: [Q6NZ36](#)

Cytogenetics: 1p36.33

MW: 16.2 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 (8) uses alternate exon structure in its 3' region, compared to variant 2. The encoded isoform (7) is distinct and shorter, compared to isoform 2, but it shares regions in common with isoforms 1 and 3. Both variants 7 and 8 encode the same isoform (7). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.