

## Product datasheet for SC317277

### C1orf86 (FAAP20) (NM\_182533) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_182533) 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:	>SC317277 representing NM_182533. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGGCGGAGGCCGCGGCTGGGGTTGAGCCGCGGAGGCCGCCCGGCGGGCGGGCCTTCT
GGCGGCCGCCCTGGTTTCTCCTGGGGGTGATGAGCGGGAGCGGCTCTGGGCCGAGCTACTGCGCACG
GTGAGCCCGGAGCTGATCCTGGATCACGAGGTGCCTTCACTGCCCGCCTCCAGGACAGGAGCCAGG
TGCGGCCCGGAGCCACTGAAGTCTTCACTGTCGGACCAAGACCTTTTCTGGACACCTTTCCGCGG
GACCTGTGGGGCCGGGCGTTCCTACCGGCTGCTTACGGGGCAGGAGGGCACCTGGAATCCCCGCC
AGGTCCCTGCCAGCGCCCGCACCTGATCCCTGCAGGGCCCCAGGGTGGAGCAGCAGCCGTCTGTG
GAGGGTGCCGCGCCCTGCGCAGCTGCCCATGTGCCAGAAGGAGTTCGCCCCAGGCTGACCCAGCTG
GATGTTGACAGCCACCTGGCCAGTGTGGCCGAAAGCAGAGAAGACGTGACGTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_182533
Insert Size:	543 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).



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<b>OTI Annotation:</b>	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.
<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_182533.2</a>
<b>RefSeq Size:</b>	745 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	199990
<b>UniProt ID:</b>	<a href="#">Q6NZ36</a>
<b>Cytogenetics:</b>	1p36.33
<b>MW:</b>	19.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) encodes isoform 2.</p>