

Product datasheet for **RG236057**

C1orf86 (FAAP20) (NM_001282671) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_001282671) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAAP20
Synonyms:	C1orf86; FP7162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236057 representing NM_001282671. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCCTGGGGTCTCTGCGCCTGGCCAAGAGGGCTGCGTGGCAATTTCCACACCTGTGCACCAGGC
CTCACTCAGAGGCATGAGGTGGCGCGACCCCTCTCCAGGGAGCTCAGAAGACGGCTCTGCCACACCT
GACACCTGGCAGCTGGCAGCCCTGCCTTAGGAAGCCTCAGCTCTGGACAGCTGTGCCTTACCTGAGG
GGTACTTCAACTCCCGCCCCACCTGTGTCCCGCTGGCTCCTAAGCTGCCCCCTACGTGTGGGTTGCG
TCTGAGATGTGGGCAGGCGCCACTCACGAAAAAAGGCATCAGAGGAGCTTCCACATCATCGGAACAT
TTTATTCTCAGGACGCTACACGCTCACTTTCCTGGCGGAGCAGGTCAGTGCATCGATTCTGTTCCG
TGGAAAATGTGCACCTTGAAACCGCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236057
Blue=ORF Red=Cloning site Green=Tag(s)

```
MEAWGLCAWPRGLRGNFHTCAPGLTQRHEVARPPLPGSSEDGSATPDTWQLAALPLGSLSSGQLCLHLR
GTSTPAPTCVPLAPKLPPYVWVASEMWGRRHSRKKGIRGASTSSEHFIPQDATRSLSWRSRVRVLF
WKMCTLETA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI

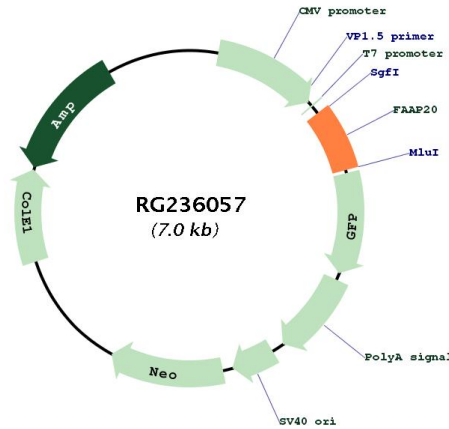


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001282671

ORF Size: 441 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).
RefSeq:	NM_001282671.1 , NP_001269600.1
RefSeq Size:	2382 bp
RefSeq ORF:	444 bp
Locus ID:	199990
UniProt ID:	Q6NZ36
Cytogenetics:	1p36.33
MW:	16.6 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]