

Product datasheet for **RG237172**

C1orf86 (FAAP20) (NM_001282670) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf86 (FAAP20) (NM_001282670) 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:	>RG237172 representing NM_001282670. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGTGGGCCCGAGCACCTGCTCTGCTGCCCAAAGATCTGGCGATGTTTCCCAGGCAACTGTCTCTC
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CGGGCCTTTTGGCTGTCTTCCAGCAGCAAACTCCGTACCACAGCAGCAGATGGCTCCGAAGAAGT
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CCCAAGACCTTTTCTGGACACCCCTTCCGCCGGACCTGTGGGGCCCGGGCCGTTCTACCGGCTGCTT
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AGGGCCCCAGGGTGGAGCAGCAGCCGTCTGTGGAGGGTGCCCGGCCCTGCGCAGCTGCCCCATGTGC
CAGAAGGAGTTCGCCCCAGGCTGACCCAGCTGGATGTTGACAGCCACCTGGCCCACTGCTTGGCCGAA
AGCACAGAAGACGTGACGTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237172
 Blue=ORF Red=Cloning site Green=Tag(s)

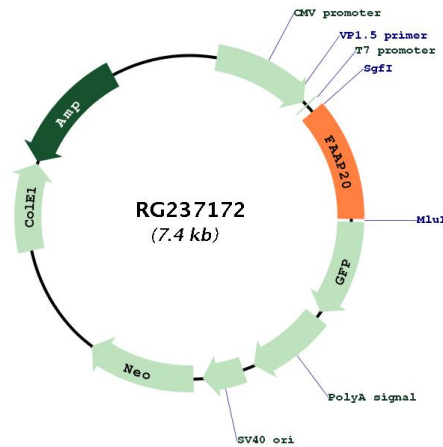
MCGPEHLLCCPKDLAMFPRQLSLTACLPGTPVSHKCHHIWLWVGVPAWHPRASRCGGAQPSSWLRQKAA
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 RERLWAE LLRTVSP ELILDHEVPSLPAFPGQEPRCGPEPTEVFTVGPKTFSWTPFPDLWGPGRSYRL
 HGAGGHLESPARSLPQRPA DPDCRAPRVEQQPSVEGAAALRSCPMCQKEFAPRLTQLDVDSHLAQCLAE
 STEDVTW
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282670

ORF Size:	849 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_001282670.1 , NP_001269599.1
RefSeq Size:	3592 bp
RefSeq ORF:	852 bp
Locus ID:	199990
UniProt ID:	Q6NZ36
Cytogenetics:	1p36.33
MW:	31.7 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]