

Product datasheet for **RG229724**

C1orf86 (FAAP20) (NM_001146310) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf86 (FAAP20) (NM_001146310) 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: >RG229724 representing NM_001146310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACCAAGCACAGTTTCCTATGACAAGTGAAACCTGTGCGCCACAGCAAACTCCGTCACCACAGCA
 GCAGATGGCTCCGAAGAAGTGGAGCGTTTTTCATCAGGTTCAACTTTGAAACCTCCACCATCACCATCACC
 AGCACCGCTGTGTCATGCTGATAACTTGAGGACAGGCAGGACAAGGAGCCAGGTGCGGCCCGGAGCCCA
 CTGAAGTCTTCACTGTCGGACCAAGACCTTTTCTGGACACCCTTTCCGCCGGACCTGTGGGGCCCGGG
 CCGTTCCTACCGCTGCTTCACGGGGCAGGAGGGCACCTGGAATCCCCCGCCAGGTCCTGCCCCAGCGC
 CCGGCACCTGATCCCTGCAGGGCCCCAGGGTGGAGCAGCAGCCGTCTGTGGAGGGTGCCGCGGCCCTGC
 GCAGCTGCCCCATGTGCCAGAAGGAGTTCGCCCCAGGTACTTCAACTCCCGCCCCACCTGTGTCCCGC
 TGGCTCCTAAGCTGCCCCCTACGTGTGGGTTGCGTCTGAGATGTGGGGCAGGCGCCACTCACGGAAAAA
 AGGCATCAGAGGAGCTTCCACATCATCGGAACATTTTATTCCTCAGGACGCTACACGCTCACTTTCCTGG
 CGGAGCAGGTCAGTGCATCGAGTTCTGTTCCGTGGAAAATGTGCACCTTGAAAACCGCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229724 representing NM_001146310
 Red=Cloning site Green=Tags(s)

MHQAQFPMTSGNLCATAKLRHHSRWLRRSGAFSSGSTLKPSPSPAPLCHADNLRTRTRSPGAARSP
 LKSSLSDPRPFGHPFRRTCGARAVPTGCFTGQEGTWNPSPGCP SARHLIPAGPPGWSSSRLWRVPRPC
 AAAPCARRSSPPGTSTPAPTCLVPLAPKLPYVWVASEMWGRRHSRKKGIRGASTSSEHFIPQDATRSLSW
 RSRSVHRVLFPPWKMCTLETA

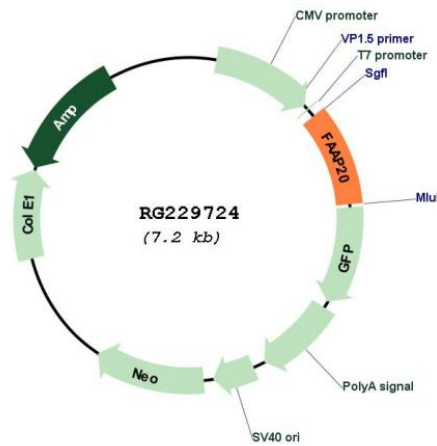
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001146310

ORF Size: 690 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).
Reconstitution Method:	<ol style="list-style-type: none">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 , NP_001139782.1
RefSeq Size:	2301 bp
RefSeq ORF:	693 bp
Locus ID:	199990
Cytogenetics:	1p36.33
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]