

Product datasheet for **RG214793**

FP100 (FAAP100) (NM_025161) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FP100 (FAAP100) (NM_025161) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FP100
Synonyms:	C17orf70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG214793 representing NM_025161
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCTGTTTGAGCAGCCCTGTCTGGGGAGGACCCCGGCCAGGAGCCAGATCGGTGAGGTGGAGC
TGTCTCTACACGCCCCAGCCGGGTCCAGGAAAGCCTGCAGCCCCCACTTCTTCCAGTGTGTG
CTCTGTGTACCATCAGGCTCCAGGTCGCCACGACCTCTCGGGGGCTCCGGGGCTTACGCTGGAG
GACGCCCTCTCGGGCTCTCTTTGGAGCTGATGCCACCCTCTGCAGTCACTGTGGTCTCTGTGGT
TCCCTGATGGCCAGCTCTGCTGTGTGATCTGAAGGCCCTGGTCACTCCAGGTGAGCCCTGGTACCC
AAATGCCCTTGTCAAGATCTCCATCACCTGGAGGAGCCCGTATCTTATAGGGGCCCTGAAGACAGAG
CCACAGGCTGCAGAAGTGCAGAGAATTTCTGCCTGACGAGGATGTGACTGTGACTGCCTGGTGGCT
TTGGTACCACGCGCGGATGCTGGCCATCAAGGCCAGCTGGGATGAGTCCGGGAAGCTGGTCCCGAGCT
GGGGGAGTACTGCCTCCAGGCCCTGTGCTCTGCCTGCCTGTGGCGGGGTGGCCGCTGTACCACAGC
ACCCCTTCTGACCTCTGTGTGGTGGATCTGTCTCGGGGAAGCACCCCGCTGGGCCCTGAGCAGCCGAA
AAGGCCCGGGAGGCCGCCCCCATGCTGTGCCAGCCAGCCTGAACATCTGCAGTGTGCTCTCGTGTG
CGGTCTCCAGGACGCATGAAGGTGGCACAAGCTCCTGGCCCTGTCCGCCAAAGGCCGCTGATGACC
TGCAGCCTGGACCTGGACTCTGAGATGCCTGGCCAGCCAGGATGACCACAGAGAGTGCAGGTGAGAAA
TAAAGGAGCTGTGTCTGGAATTGGCAACATCTCTGAGAGAGTGTCTTTTCTAAAGAAGGCGGTTGACCA
GCGGAACAAGGCACTGACAAGCCTCAACGAGGCCATGAACGTGAGCTGTGCACTGCTGTCAAGCGGCAGC
GGCCCCAGACCCATCTCTGCACCACCAGCACCTGGAGCCGCTGCAGACACAGGATGTGCTCATGG
CCACCTGCGTGTAGAGAACAGCAGCAGCTTACGCTGGACCAGGGGTGGACCCTGTGCATCCAGTGTCT
CACCAGTCTCTGTGCTCTCGACCTGGACTCGGCCCTGCTCCGCCATCACCTACACCATCCCCGTGGACCAG
CTCGGCCCGGTGCTCGGCGGGAGGTGACGCTACCCCTGGGCCCTGGTGAGAACGCGGGGCTCGACCTGC
CCGTGACCCTGTCTGCACGCTGTTCTACAGTCTCAGGGAGGTGGTGGCGGGGCCCTTGCCCCCTCAGA
CTCTGAGGACCCCTTTCTGGATGAGTGCCTCCGACGCTCCTGCCGAGCAAGAGGGTGTTCCTGCTGCC
CTGAGCAGGCACACAGTGGACATGCTGCAGTGTCTGTGCTTCCCTGGCCTGGCCCCGCCACACACGGG
CCCCCTCCCCTCGGCCACCCGAGACCCTGTGGCCACTTTTCTGGAACTTGTGGGAGCCTGGCAG
CCAGCCAGCAGGACCCGCTCCCTGCGGGCGAGTACCTGCCCCATCTGTGGCTTCCATCAAGGTGTG
GCGGAGTGTCTAGAGTGCCTTGAAGGACGGCCACTCAGGCGTGGCCCTGTGCTGTGCCACCCTGCAGT
GGCTCCTTGTGAGAATGCTGTGTGGACGTCGTGAGGGCCCGAGCACTATCTTCCATCCAGGGAGTGGC
CCCTGATGGCGCAACGTTACCTCATCGTCCGAGAGGTGGCCATGACCGACCTGTGCCAGCAGGGCCC
ATCCAGGCCGTGGAGATCAAGTGGAAAGCTCCTCTCTGGCCGACATTTGCAGGGCGCACCATGCCGTTG
TCGGGCGCATGCAGAGATGGTACAGAGCAGGCCGCCAGGGCTCCAGCGCTCTGATCTCCGTGTGCA
GTACCTCCGCGAGATCCACGCCAACCACGAGACTGCTCGGGAGGTGCAGACCCTGCGCGACCGGCTC
TGCAGGGAGGATGAGGCCAGCTCCTGTGCCACCGCCAGAGGCTGCTACAGGTGTACCGGACGTGCGCC
ACCCAGCCTCATCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214793 representing NM_025161
Red=Cloning site Green=Tags(s)

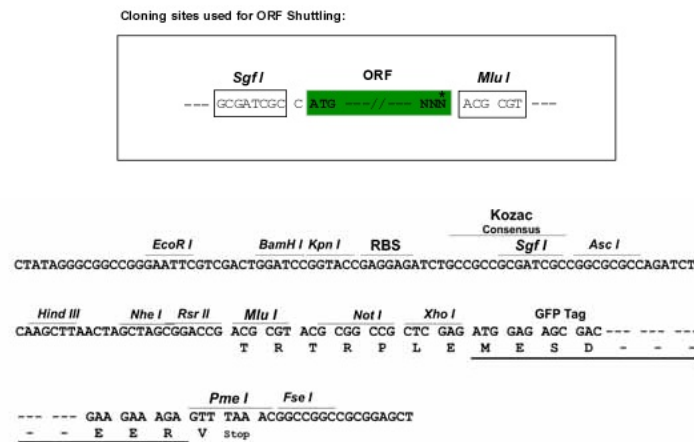
```

MQLFEQPCPGEDPRPGGQIGLEVELSSYTPPAGVPGKPAAPHFLPVLCSVSPSGSRVPHDLLGGSGGFTLE
DALFGLFGADATLLQSPVVL CGLPDGQLCCVILKALVTSRSAPGDPNALVKILHHEEPVIFIGALKTE
PQAAEAAENFLPDEDVHCDCLVAFGHHGRMLAIKASWDESGKLVPELREYCLPGPVLCAACGGGGRVYHS
TPSDL CVVDL SRGSTPLGPEQPEEGPGLPPMLCPASLNICSVVSL SASPRTHEGGTKLLALSAGRLMT
CSLDLDSEMPGPARTTESAGQKIKELLSGIGNISERVSFLLKAVDQRNKAL TSLNEAMNVSCALLSSGT
GPRPISCTTSTTWSRLQTQDVL MATCVLENSSSFSLDQGWTL CIQVLTSSCALDLD SACS AITYTIPVDQ
LGPARGREVTLP L GPGENGGLDLPVTVSCTLFYSLREVVGALAPSD SEDPFLDECP SDVLPEQEGVCLP
LSRHTVDMLQCLCFPL APPHTRAPSPLGPTRD PVATFLET CREPGSQPAGPASLRAEYLP P SVASIKVS
AELLRAALKDGHSGVPLCCATLQWLLAENA AVDVVRARAL SSIQGVAPD GANVHL I VREVAMTDLCPAGP
IQAVEIQVESSLADICRAH HAVVGRMQTMVTEQAAQGS SAPDLRVQYLRQIHANHETLLREVQTLRDRLL
CTEDEASSCATAQRLLQVYRQLRHPSLILL
    
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025161

ORF Size: 2190 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:

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_025161.3](#), [NP_079437.3](#)

RefSeq Size: 3843 bp

RefSeq ORF: 2646 bp

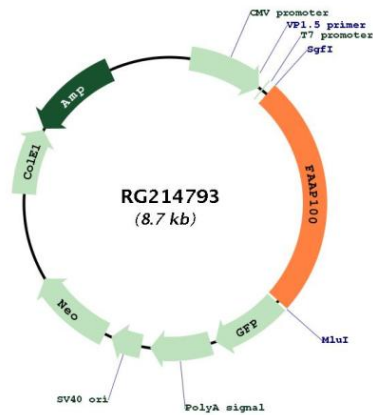
Locus ID: 80233

UniProt ID: [Q0VGO6](#)

Cytogenetics: 17q25.3

Gene Summary: FAAP100 is a component of the Fanconi anemia (FA; MIM 277650) core complex and is required for core complex stability and FANCD2 (see MIM 227646) monoubiquitination (Ling et al., 2007 [PubMed 17396147]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG214793