

## Product datasheet for **MG215240**

### Fancf (NM\_001115087) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fancf (NM_001115087) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fancf
Synonyms:	A730016A17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215240 representing NM_001115087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCGCTTGTGCAGCAAACCGAGCGATTCTCCGAGCTGTTGGCCGTGTCGTGTGGGTGCGTGGTGA  
GCACGTGGGACGCCGAAAAGGTGCGCAGGGCGCTGCAGTGGGCGGTTATCTGCTCCACGTGTACCGACG  
CTTCGGGGCCGCGGCCGCTGCGGGAGGCGCTCGAGAGGCGGCTCCCCGCGGGGAGGGCCGCTCGGG  
CTGCGCAGCTTCGCGGCGCTGGAGTCCGGGACGCGCGGCTCGCCCTCCGCTGCTGCGGAACCGCGCGC  
TCGCGCCCGCCGCGCCCGCGCGCTGCCGAGCTTGTCTGCCGGCCCCGCCGGACCACCGAGACGA  
CGTGCCCGAGTCGCGCCTGGTCCCTGGCGCGCCGCGGAAGCGCGCTGCGCCTGCTGTGCCGCTCGGC  
GGGACGCGCCAGGAGCGCGCTGCTGCGCACGCACGCGAGCTGCTGGACGCGCGCCTGCACGAGCTGG  
GCGGGGCCGACTCCGCGGCCGCGCGAACTCCTGGACACGTTGTGGACGCGCGGGCCGCGGGAGCACGT  
GCTCGACGTGACTGCCGAAGCGCTGCTGCTACGCGAGGAAGACCCGGAGCCAGCCAGGCCACGGACCT  
GCGGGTGGGATGAGACACAGAACTACTGCGTGGCTTCTCGAAAGTCCCGAGGTATTGGCCGCTTTTT  
GCCCATCTGCCAGCCAAGCGCCTGGCCTCCGTGGCGGGCTGCCACCACGACTGTCTCGCGCTACCT  
GGACCTGCTCACACGTGGGCCACGCGGCTGCACTATGATCTGAAAAGGTGCCTGGTCCCTACACAG  
ATGGAGGACATGCCCTGGGAAGAGCTGTGCCAAGGCTGCAGAGCTTGTGCCATGCCAGCCATTCTGC  
AGGAAGAGGTGCTGGTGACCCTAAGTCCCGCAAAGCCTTGATGGAGATTCGAGGTTCCCTGGGATGAG  
CATCTGGACAGACCTCCTGGTGGTGTGAGTGTGGGATCGTGCTAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215240 representing NM\_001115087  
 Red=Cloning site Green=Tags(s)

MEPLVQQTERFSELLAVSCGSLVSTWDAEKVRRALQWARYLLHVYRRFAGRGRVREALERRLPARGGPLG  
 LRSFAALESQDARLALRLLRNRALAPAAARALPSLLFPGPAADHRDDVPQSRLVLLARRGSALRLLCRLG  
 GDAPRSALLRTHAELLARLHELGGADSAARKLLDTLWTRGPREHVLDTAEALLLREEDPEPAQATDP  
 AGADETQKLLRWLLESPEVLAAFCRHLPKRLASVAGCHHALSRAYLDLLTTWATRLHYDLQKGAWVPTQ  
 MEDMPWEELCLRLQSLCHAQPFLLQEEVLVTLRSRKALDGDGFEVPGMSIWTDLLVLECGIVLE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001115087

**ORF Size:** 1029 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\\_001115087.1](#), [NP\\_001108559.1](#)

**RefSeq Size:** 1691 bp

**RefSeq ORF:** 1032 bp

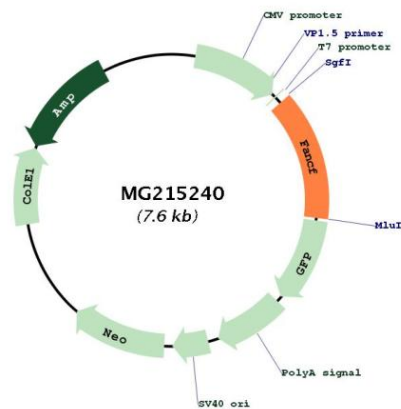
**Locus ID:** 100040608

**UniProt ID:** [E9Q5Z5](#)

**Cytogenetics:** 7 B4

**Gene Summary:** DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG215240