

Product datasheet for **MG206858**

Fancc (BC038609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (BC038609) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fancc
Synonyms:	Facc; mir-3074-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206858 representing BC038609 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGAAGTTTGTCTTTTACCAAAGTCTTGGATATGAGTCTATTGATTACTATCCTAGTTTGCTTA
AAAATATGGTTTTGTCATTAGTGTCTGAGCTCAGAGAGAGTCATCTTAATGGACTGAGCACTCAAAGTGC
GATGGCTCCTGAGCGCATGATGTCCTGTCAGAAGTTTGTGTCCTCTTGTCACTCTGCCTGATATGGAA
CCCCTGGTAGAGGCTCTACTCACCTACCATGGACATGAGCCCCAGGAAGTCTGGCTCCTGAGTTCTTCG
AAGCTGTAATGAGGCCCTCTTGTGCGAAAAAATTGTTCTACCCACGTCCTCTGTGGTCAGCCTCTGGTT
TCGGCATCTCCCAAGTCTTGAAGCAACGCTGCATCTTTTGAAGCTTTTCTCCAGCAAGATAATT
TGCTGAGAAGGATGGAGTGTATAAGAGAGTCATTCTGCCTCAAGCAGCCTGCCAACCTGCCATCT
TCAGAATTGTTGATGAAATGTTCAAGTTTGTGCTGCTGGAAGTACGCGGAGCCCCAGAAGTACTAGCTGC
TCTTCAGGTTTTACATCGTGTCTGGTAGAAGCTCTGAAAAAGAAAAACAAGCAGCTGACGTTTGCCTC
AGGACCTACTTTCTTACGGTGTCCATGTCTTGTGTCAGCGCTGCCAGCACCTGAAGCAATCCAC
AGGACACCGGCTCCAGCCTCTGCTGCACATTTCCCACTCTCAGAGAAGCAGTTGAAGACTGTACTCG
TGGGTCTCCGCGAAATCCCTTTGAGAGCTGTTTTTGTGTTCACTTTGGAGGATGGTTGACCTGGCT
GTGGCAGAGTTACTGCTGAGGGAGGAAGCTGAGCCTCTGCTGGCCTGCTGTGGCTTTGGTGTCTATT
ACAGCCCACAGGATGGGAGTCAAGAGAGAGAGCAGAGCATGGTGGAGCTGAAGGTTAATCAACCGTCT
CCTGATGCTGCTCAGAAGCGCCCCCTCTCAGCTACTGATCTGCAGGAAGCAGCTGAGAGTCCCAGTGGA
GACCCAGACCCTGTATGTGGACAGCTGGTCAGACGCTTCTTCTTAGTCTCTTGTCTGGACCCAG
AAGGCCATGCAATTGCTGGGAAGCTGTACCCATATGGCCACACGGATGCTGTAATCCATGAGATTAT
TGGTTTTCTTGACCAGACCTGTACAGATCACAACATCTTTGTGTTGAAGCCTCGAGAAACTGGCCAGA
GACCTCTAAAGGAGCTGCAAGCCAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206858 representing BC038609
 Red=Cloning site Green=Tags(s)

MKEVCLFTKSLGYESIDYYPSLLKNMVL SLVSELRESHLNGLSTQSRMAPERMMSLSEVCVPLVTL PDME
 PLVEALLTYHGHEPQEVLAPEFFEAVNEAFLSEKIVLPTSSVSVLWFRHLPSLEKATLHLFEKLFSSKII
 CLRRMECCIRESFLPQAACQPAIFRIVDEMFRFVLLLETDGAPEVLAALQVFTSCLVEALKKENKQLTFAL
 RTYFPYGAPCLAALASQHPEAIPQGHRLQPLLHISQLLREAVEDCTRGSPRNPFEWFLFVHFGGWV DLA
 VAELLLREEAEPPAGLLWLLVFYYSPQDGSQREQSMVELKVLINRLLMLLRSGPLSATDLQEAAESPSG
 DPRPPVCGQLVRLLLLLLLLWTPEGHAIYWEAVTHMAHTDAVIHEIIGFLDQTLYRSQHLCEASRKLAR
 DLLKELQAQV

TRTRPLE - GFP Tag - V

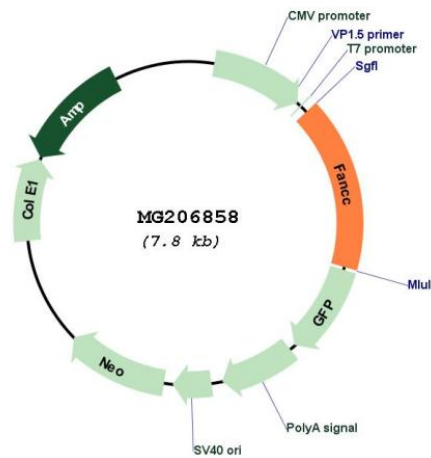
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC038609

ORF Size:	1292 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:	BC038609 , AAH38609
RefSeq Size:	2337 bp
RefSeq ORF:	1292 bp
Locus ID:	14088
Cytogenetics:	13 32.8 cM
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. Upon IFNG induction, may facilitate STAT1 activation by recruiting STAT1 to IFNGR1 (By similarity).[UniProtKB/Swiss-Prot Function]