

Product datasheet for **MR206858**

Fancc (BC038609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (BC038609) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fancc
Synonyms:	Facc; mir-3074-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206858 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGAAGTTTGTCTTTTTACAAAAGTCTTGATATGAGTCTATTGATTACTATCCTAGTTTGCTTA
 AAAATATGGTTTTGTCATTAGTGTCTGAGCTCAGAGAGAGTCATCTTAATGGACTGAGCACTCAAAGTCG
 GATGGCTCCTGAGCGCATGATGTCCCTGTCAGAAGTTTGTGCCCTTTGTCACCTCTGCCTGATATGGAA
 CCCCTGGTAGAGGCTCTACTCACCTACCATGGACATGAGCCCCAGGAAGTCTGGCTCCTGAGTTCTTCG
 AAGCTGTAATGAGGCCTTCTTGTGCGAAAAAATTGTTCTACCCACGTCCTCTGTGGTCAGCCTCTGGTT
 TCGGCATCTCCCCAGTCTTGAAAAAGCAACGCTGCATCTTTTTGAAAAGCTTTTCTCCAGCAAGATAATT
 TGCCTGAGAAGGATGGAGTGTATAAGAGAGTCATTCTGCCTCAAGCAGCCTGCCAACCTGCCATCT
 TCAGAATTGTTGATGAAATGTTCAAGTTTGTGCTGCTGGAAGTACGCGAGCCCCAGAAGTACTAGCTGC
 TCTTCAGTTTTTACATCGTCTTGGTAGAAGCTCTGAAAAAGAAAACAAGCAGCTGACGTTTTGCCCTC
 AGGACCTACTTTCTTACGGTGCCTCATGTCTTGTCTGACGCGCTGTCCAGCACCCCTGAAGCAATCCCAC
 AGGGACACCGGCTCCAGCCTCTGCTGCACATTTCCCAACTCCTCAGAGAAGCAGTTGAAGACTGACTCG
 TGGGTCTCCGCGAAATCCCTTTGAGAGCTGGTTTTTGTGTTTCACTTTGGAGGATGGGTTGACCTGGCT
 GTGGCAGAGTTACTGCTGAGGGAGGAAGCTGAGCCTCCTGCTGGCTGCTGTGGCTCTTGGTGTCTATT
 ACAGCCCCACAGGATGGGAGTCAAGAGAGAGCAGAGCATGGTGGAGCTGAAGGTATTAATCAACCGTCT
 CCTGATGCTGCTCAGAAGCGGCCCTCTCAGCTACTGATCTGCAGGAAGCAGCTGAGAGTCCCAGTGG
 GACCCAGACCACCTGTATGTGGACAGCTGGTCAAGCCTTCTTCTTAGTCTCTTGTCTGGACCCAG
 AAGGCCATGCAATTGTCTGGGAAGCTGCACCCATATGGCCACACGGATGCTGTAATCCATGAGATTAT
 TGGTTTTCTTGACCAGACCTTGTACAGATCACACATCTTTGTGTTGAAGCCTCGAGAAAAGTGGCCAGA
 GACCTCCTAAAGGAGCTGCAAGCCAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206858 protein sequence
 Red=Cloning site Green=Tags(s)

MKEVCLFTKSLGYESIDYPSLLKNMVL SLVSELRESHLNGLSTQSRMAPERMMSLSEVVCVPLVTLPDME
 PLVEALLTYHGHEPQEVLAPEFFEAVNEAFLSEKIVLPTSSVSLWFRHLPSLEKATLHLFEKLFSSKII
 CLRRMECCIREFLPQAACQPAIFRIVDEMFRFVLLLETGGAPEVLAALQVFTSCLVEALKKENKQLTFAL
 RTYFPYGAPCLAALSQHPEAIPQGHRLQPLLHISQLLREAVEDCTRGSPRNPFEWFLFVHFGGWVDA
 VAELLLREEAEPAGLLWLLVFYSPQDGSQREQSMVELKVLINRLLMLLRSGPLSATDLQEAESPSPG
 DPRPPVCGQLVRRLLLSLLLWTPEGHAIVWEAVTHMAHTDAVIHEIIGFLDQTLYRSQHLVCVEASRKLAR
 DLLKELQAQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC038609

ORF Size: 1290 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

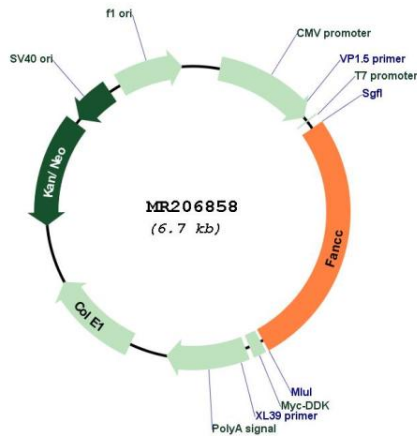
RefSeq: [BC038609](#), [AAH38609](#)

RefSeq Size: 2337 bp

RefSeq ORF: 1292 bp

Locus ID: 14088

Cytogenetics: 13 32.8 cM
MW: 48.6 kDa
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]

Product images:


Circular map for MR206858