

Product datasheet for **MC218943**

Fancc (NM_001042673) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (NM_001042673) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fancc
Synonyms:	Facc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218943 representing NM_001042673
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCAGGAGTCTGCAGACCTTGCTTCTGACTGTCAGTCTTGGCTGCAGAAGCTTTCTGCATGGGAAC
 AGGCCTCTTCTGAGGAAACCCAGAAGGACACTTGTCTTCACTTGTCCGGTTCAGGAGTTCCTGAGGCA
 GATGTATGAAATCTTGAAGGAGATGGATTCTGATGCAATCCTGGAAAGTTCCCCACAATTGGTCAACTG
 TTGGCAAAGCTTGTGGAATCCTCATCTTAGCATATGATGAAAGCCAAAAAATTGTAATATGGTGCT
 TATGTTGTCTGATGAACAAAGAACCTCGGACTTCTGCAGAGTCAGGACTTAACTCGTGGATCCGGGGTTT
 GTTATCTCATGTACTTTCTGCATTCAGATTCGACATGAAAGAAGTTTGTCTTTTACCAAAAGTCTTGG
 TATGAGTCTATTGATTACTATCCTAGTTTGCTTAAAAATATGGTTTTGTCATTAGTGTCTGAGCTCAG
 AGAGTCATCTTAATGGACTGAGCACTCAAAGTCGGATGGCTCCTGAGCGCATGATGTCCCTGCAGAAGT
 TTGTGTCCCTCTGTCACTCTGCCTGATATGGAACCCCTGGTAGAGGCTCTACTCACCTACCATGGACAT
 GAGCCCCAGGAAGTCTGGCTCCTGAGTCTTTCGAAGCTGTAAATGAGGCCTTCTTGTCCGAAAAAATTG
 TTCTACCCACGTCTCTGTGGTCAGCCTCTGGTTTCGGCATCTCCCCAGTCTTGA AAAAGCAACCGTGCA
 TCTTTTGA AAAAGCTTTTCTCCAGCAAGATAATTTGCCTGAGAAGGATGGAGTGCTGATAAGAGAGTCA
 TTCCTGCCTCAAGCAGCCTGCCAACCTGCCATCTCAGAATTGTTGATGAAATGTTACAGTTTTGTGCTGC
 TGGAAACTGACGGAGCCCCAGAAGTACTAGCTGCTCTTCAGGTTTTACATCGTGCTTGGTAGAAGCTCT
 GAAAAAGAAAACAAGCAGCTGACGTTTGCCCTCAGGACCTACTTTCCTTACGGTGCTCCATGTCTTGCT
 GCAGCGCTGTCCCAGCACCTGAAGCAATCCCACAGGGACACCGGCTCCAGCCTCTGCTGCACATTTCCC
 AACTCCTCAGAGAAGCAGTTGAAGACTGTACTCGTGGTCTCCGCGAAATCCCTTTGAGAGCTGGTTTTT
 GTTTGTTCACTTTGGAGGATGGGTTGACCTGGCTGGCAGAGTTACTGCTGAGGGAGGAAGCTGAGCCT
 CCTGCTGGCCTGCTGTGGCTCTTGGTGTCTATTACAGCCACAGGATGGGAGTCAGCAGAGAGAGCAGA
 GCATGGTGGAGCTGAAGGTATTAATCAACCGTCTCCTGATGCTGCTCAGAAGCGGCCCTCTCAGCTAC
 TGATCTGCAGGAAGCAGCTGAGAGTCCCAGTGGAGACCCAGACCCTGTATGTGGACAGCTGGTCAGA
 CGCCTTCTTCTAGTCTTGTCTGGACCCAGAAGGCCATGCAATTGTCTGGGAAGCTGTACCCATA
 TGGCCACACGGATGCTGTAATCCATGAGATTATGGTTTTCTTGACCAGACCTGTACAGATCACAAACA
 TCTTTGTGTTGAAGCCTCGAAAACTGGCCAGAGACCTCTAAAGGAGCTGCAAGCCAGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001042673
- Insert Size:** 1677 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001042673.2](#), [NP_001036138.1](#)

RefSeq Size: 3168 bp

RefSeq ORF: 1677 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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region and differs in the 3' UTR, compared to variant 4, resulting in an isoform (1) that is shorter than isoform 3. Both variants 1 and 2 encode isoform 1.