

Product datasheet for **MC228298**

Fancc (NM_007985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (NM_007985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fancc
Synonyms:	Facc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228298 representing NM_007985
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGGAGTCTGCAGACCTTGCTTCTGACTGTCAGTCTTGGCTGCAGAAGCTTTCTGCATGGGAAC
 AGGCCTCTTCTGAGGAAACCCAGAAGGACACTTGTCTTCACTTGTCCGGTTCAGGAGTTCCTGAGGCA
 GATGTATGAAATCTTGAAGGAGATGGATTCTGATGCAATCCTGGAAGGTTCCCCACAATTGGTCAACTG
 TTGGCAAAGCTTGTGGAATCCTCATCTTAGCATATGATGAAAGCCAAAAAATTGTAATATGGTGCT
 TATGTTGTCTGATGAACAAAGAACCTCGGACTTCTGCAGAGTCAGGACTTAACTCGTGGATCCGGGGTTT
 GTTATCTCATGTACTTTCTGCATTCAGATTCGACATGAAAGAAGTTTGTCTTTTACCAAAAGTCTTGGAA
 TATGAGTCTATTGATTACTATCCTAGTTTGCTTAAAAATATGGTTTTGTCATTAGTGTCTGAGCTCAGAG
 AGAGTCATCTTAATGGACTGAGCACTCAAAGTCGGATGGCTCCTGAGCGCATGATGTCCCTGTCAGAAGT
 TTGTGTCCCTCTGTCACTCTGCCTGATATGGAACCCCTGGTAGAGGCTCTACTCACCTACCATGGACAT
 GAGCCCCAGGAAGTCTGGCTCCTGAGTCTTCGAAGCTGTAAATGAGGCCTTCTTGTCCGAAAAAATTG
 TTCTACCCACGTCTCTGTGGTCAAGCCTCTGGTTTCGGCATCTCCCCAGTCTTGA AAAAGCAACCGTGA
 TCTTTTGA AAAAGCTTTTCTCCAGCAAGATAATTTGCCTGAGAAGGATGGAGTGTGATAAGAGAGTCA
 TTCTGCTCAAGCAGCCTGCCAACCTGCCATCTCAGAAATGTTGATGAAATGTTACAGTTTGTGCTGC
 TGGAAACTGACGGAGCCCCAGAAGTACTAGCTGCTCTTCAGGTTTTACATCGTGTCTGGTAGAAGCTCT
 GAAAAAGAAAACAAGCAGCTGACGTTTGCCCTCAGGACCTACTTTCCTTACGGTGTCCATGTCTTGCT
 GCAGCGCTGTCCCAGCACCTGAAGCAATCCCACAGGGACACCGGCTCCAGCCTGCTGCACATTTCCC
 AACTCCTCAGAGAAGCAGTTGAAGACTGTACTCGTGGTCTCCGCGAAATCCCTTTGAGAGCTGGTTTTT
 GTTTGTTCACTTTGGAGGATGGGTTGACCTGGCTGTGGCAGAGTTACTGCTGAGGGAGGAAGCTGAGCCT
 CCTGCTGGCCTGCTGTGGCTCTTGGTGTCTATTACAGCCACAGGATGGGAGTCAAGCAGAGAGAGCAGA
 GCATGGTGGAGCTGAAGGTATTAATCAACCGTCTCCTGATGCTGCTCAGAAGCGGCCCTCTCAGCTAC
 TGATCTGCAGGAAGCAGCTGAGAGTCCCAGTGGAGACCCAGACCCTGTATGTGGACAGCTGGTCAGA
 CGCCTTCTTCTAGTCTTGTCTGGACCCAGAAGGCCATGCAATTGTCTGGGAAGCTGTACCCATA
 TGGCCACACGGATGCTGTAATCCATGAGATTATGGTTTTCTTGACCAGACCTGTACAGATCACAAACA
 TCTTTGTGTTGAAGCCTCGAAAACTGGCCAGAGACCTCTAAAGGAGCTGCAAGCCAGGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_007985
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_007985.3](#), [NP_032011.2](#)

RefSeq Size: 3134 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 (1) lacks an alternate in-frame exon in the 3' coding region, compared to variant 4, resulting in an isoform (1) that is shorter than isoform 3. Both variants 1 and 2 encode isoform 1.