

Product datasheet for **MC220921**

Fancb (NM_175027) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancb (NM_175027) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fancb
Synonyms:	BC022692
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220921 representing NM_175027
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCATTTAATGAGCAAGCAAAGTTCCTGTGCTATCATGGGAAATCCTTGTCTTTCAGTTGTCCAGAG
 GAGAGCGTGCAGATTTAGAAATGCCTACAGATCCACTGGTCTTAGGTGTCAAAGGATGATGTTTGACAG
 AGAAACTAGTACATTCCTTCTGATATCCACTGTTTTTTAAACATCAACGAAAAAGATTCTCATTTAAAA
 ATTCTGTGTTGAACTGTGTGCCGATTTGAGAACTAGAATTAACCTTCCTTGCCTTTTGATACAATGTA
 GAAAGTACAATAGTGAAGCTTTCAAATATTGTATCCTGCTTCTTCAATCTCAACAGAGTGGAGAGACT
 TTTGAGTTTTGAACTAAACCATGCATTGGATGAGAACACAAGATCTTTGACGGCCCTATAGTTTTCTGG
 CAGTATCTCAACCAGTTCCTATATCTCTTCTGCAATTGGGAAAGTTACTACTATATCACTTATGCTTT
 CCTCTATTGAGTGGATCCGTGAGATTGAAAACCTTTGGCCTAGGTTTCTTGGGGCTAGCAGAACCATCTGA
 GGATAAATGTACCCAGAAGCTTTGAGAATCAGACTATGAATTTTCCAATCCAGCCTTTGGCGATATGCT
 CTTAAAAGTCAAGAAATGTTAAGCAATGGTTACCTGATCCCTCTTGTACAGTACTATGGTAACACACCG
 TGCATGTCTGGCGCGGAGATGGTTGACCACCAGTTAAGAACATCTCTGATTGCCCTGACTCGAAAAGAA
 TCAGCTCATTTTGTTCAAAATGGCATTCTGTAGAGCATGTCAGCTTCCATTTCCAGGTCCCCGTTCA
 GTTCAGATTCTAGATGCAGGGAAAAGAAACCGATTTTTTCATCGTGTCAATCCCGTCCAAGGCTTGTGCTG
 TTTGAGAAAAGAAATTAAGGTTGTTGCTAAGTGGGAACAACCTAGCTTAGTACTGGTGAATGACTTTGC
 TGGAGTTGGAAGTGAACAAGTACTGGTCGTTTTGAGGACTCTCTGGATGCAGATCAGCTGACCTCATT
 ACAGTAACAGATTTTGTCAAAATATGGTATTCAACCAACCACTGGATTGCTGTGAAGACCCTTTGGCTG
 AAGAGGAGCATGAAAATTAATTTTGGTCTTCCAGACTGGAAGGCCAATTAGACAATTTCTTTTATTT
 TCTTAACAAAATCCAGCAGCATATCTCTTTAAGGATAAAATTTATTGCAAAGCTTGGAAAGCTCTTTTA
 AACGCAGTTTATGGGAAAGGTGACAGTCTGCCAAGTGATGAAATGGTTAAGTTAGACCAGGACGGTCTTG
 TTCCTTCTGTGATGAAGGTGAAGACAGTGTCCCTACCCCTGAGGAAAACCTACCAGACAATTTCCAGA
 GCCAGAACATATTGTAGAGCAGACATGGTGCCATGTAAGTACTAGATGACTTAGTTGTGGGCGCAAAAGTC
 ACATCTTTGAAGGAATCTAATGAGATGACTTTACTGATAATGAATCAAGGCAACAGGTCCAGTTTTTC
 ATCTTATGAAGTGCACAGTCAGGTATGGCTCTTGAACACATGAAATGTGAAAGAATCAAGAATGTAC
 AGAAATATACCTTTATAAAAAGCTACGAAATTGTGGAGCACTCTCTCCTGGGAGCAGAGAACAGCATCT
 GAAGGAATTTTAAACAATATATTGACAGGACCAAGGAGTTTTGTTCCAGTGTCTCGACCATCTCATCAAAG
 TTCTCCCTGAAATATGTTCTTCAAATATCTGAAGGTCGAAAATGAGATTTCTTAGTTGATCATTGTC
 ATCCACTTTGGAGGCAGAACTGGTTACCTTTTGTTCAGTTTCTACTTCTGCCTTCGAGTATGTTAGAGGT
 GGATATAACTGTAGAATAAGGAGAACAGATAATAGGGCCATGACATTTTTAGGGAGAAGGGCCAAAATCC
 GTCAGTCCAAGCGCAAAGTTCAGAGAGAAAAGGATACTGAAGCACCTTAATATGACAGTAAATGGCAGCAG
 CTATGCGGAGATGACTTTGGCGTTGGCTGAGATTCAGTTGAAATCAGACCTCATTGTAAGACACTGGCC
 AATTTTGAATTGCACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175027
Insert Size: 2121 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:	<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:	<u>NM_175027.4</u> , <u>NP_778192.3</u>
RefSeq Size:	2543 bp
RefSeq ORF:	2121 bp
Locus ID:	237211
UniProt ID:	<u>Q5XJY6</u>
Cytogenetics:	X F5
Gene Summary:	DNA repair protein required for FANCD2 ubiquitination.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame segment in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.