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Product datasheet for MC227815

Fancc (NM_001282942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (NM_001282942) 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:

>MC227815 representing NM_001282942
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACAAAGAACCTCGGACTTCTGCAGAGTCAGGACTTAACTCGTGGATCCGGGGTTTGTTATCTCATG
TACTTTCTGCATTCAGATTCGACATGAAAGAAGTTTGTCTTTTTACCAAAAGTCTTGGATATGAGTCTAT
TGATTACTATCCTAGTTTGCTTAAAAATATGGTTTTGTCATTAGTGTCTGAGCTCAGAGAGAGTCATCTT
AATGGACTGAGCACTCAAAGTCGGATGGCTCCTGAGCGCATGATGTCCCTGTCAGAAGTTTGTGTCCCTC
TTGTCACTCTGCCTGATATGGAACCCCTGGTAGAGGCTCTACTCACCTACCATGGACATGAGCCCCAGGA
AGTCCTGGCTCCTGAGTTCTTCGAAGCTGTAAATGAGGCCTTCTTGTCGGAAAAAATTGTTCTACCCACG
TCCTCTGTGGTCAGCCTCTGGTTTCGGCATCTCCCCAGTCTTGAAAAAGCAACGCTGCATCTTTTTGAAA
AGCTTTTCTCCAGCAAGATAATTTGCCTGAGAAGGATGGAGTGCTGTATAAGAGAGTCATTCCTGCCTCA
AGCAGCCTGCCAACCTGCCATCTTCAGAATTGTTGATGAAATGTTCAGGTTTGTGCTGCTGGAAACTGAC
GGAGCCCCAGAAGTACTAGCTGCTCTTCAGGTTTTCACATCGTGCTTGGTAGAAGCTCTGAAAAAAGAAA
ACAAGCAGCTGACGTTTGCCCTCAGGACCTACTTTCCTTACGGTGCTCCATGTCTTGCTGCAGCGCTGTC
CCAGCACCCTGAAGCAATCCCACAGGGACACCGGCTCCAGCCTCTGCTGCACATTTCCCAACTCCTCAGA
GAAGCAGTTGAAGACTGTACTCGTGGGTCTCCGCGAAATCCCTTTGAGAGCTGGTTTTTGTTTGTTCACT
TTGGAGGATGGGTTGACCTGGCTGTGGCAGAGTTACTGCTGAGGGAGGAAGCTGAGCCTCCTGCTGGCCT
GCTGTGGCTCTTGGTGTTCTATTACAGCCCACAGGATGGGAGTCAGCAGAGAGAGCAGAGCATGGTGGAG
CTGAAGGTATTAATCAACCGTCTCCTGATGCTGCTCAGAAGCGGCCCCCTCTCAGCTACTGATCTGCAGG
AAGCAGCTGAGAGTCCCAGTGGAGACCCCAGACCACCTGTATGTGGACAGCTGGTCAGACGCCTTCTTCT
TAGTCTCTTGCTCTGGACCCCAGAAGGCCATGCAATTGTCTGGGAAGCTGTCACCCATATGGCCCACACG
GATGCTGTAATCCATGAGATTATTGGTTTTCTTGACCAGACCTTGTACAGATCACAACATCTTTGTGTTG
AAGCCTCGAGAAAACTGGCCAGAGACCTCCTAAAGGAGCTGCAAGCCCAGGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001282942

Insert Size: 1386 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).

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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_001282942.1, NP_001269871.1
RefSeq Size:	2937 bp
RefSeq ORF:	1386 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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream in-frame start codon, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 4. The encoded isoform (2) has a shorter N-terminus, compared to isoform 3.

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