OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR230026

Fancc (NM_001282942) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fancc (NM_001282942) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fancc
Synonyms:	Facc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>MR230026 representing NM_001282942
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

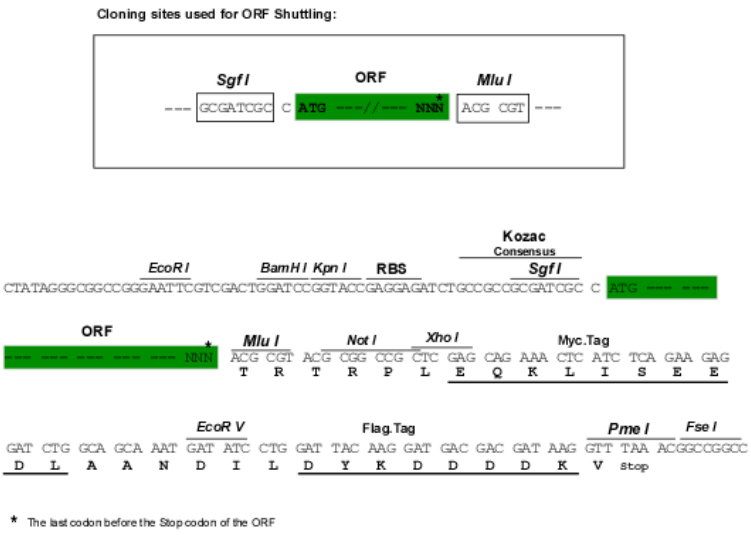
>MR230026 representing NM_001282942
Red=Cloning site Green=Tags(s)

MNKEPRTSAESGLNSWIRGLLSHVLSAFRFDMKEVCLFTKSLGYESIDYYPSLLKNMVLSLVSELRESHL
NGLSTQSRMAPERMMSLSEVCVPLVTLPDMEPLVEALLTYHGHEPQEVLAPEFFEAVNEAFLSEKIVLPT
SSVVSLWFRHLPSLEKATLHLFEKLFSSKIICLRRMECCIRESFLPQAACQPAIFRIVDEMFRFVLLETD
GAPEVLAALQVFTSCLVEALKKENKQLTFALRTYFPYGAPCLAAALSQHPEAIPQGHRLQPLLHISQLLR
EAVEDCTRGSPRNPFESWFLFVHFGGWVDLAVAELLLREEAEPPAGLLWLLVFYYSPQDGSQQREQSMVE
LKVLINRLLMLLRSGPLSATDLQEAAESPSGDPRPPVCGQLVRRLLLSLLLWTPEGHAIVWEAVTHMAHT
DAVIHEIIGFLDQTLYRSQHLCVEASRKLARDLLKELQAQV

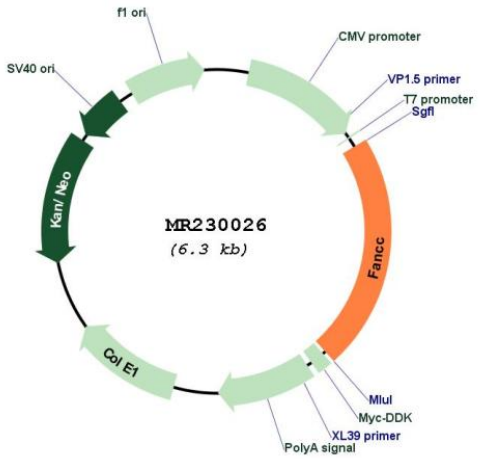
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282942

ORF Size: 1383 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.
RefSeq:	NM_001282942.1, NP_001269871.1
RefSeq Size:	2937 bp
RefSeq ORF:	1386 bp
Locus ID:	14088
Cytogenetics:	13 32.8 cM
MW:	52.5 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]