

Product datasheet for **MC224465**

Fanca (NM_016925) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fanca (NM_016925) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fanca
Synonyms: AW208693; FACA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224465 representing NM_016925
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGGCTCGCCGGCTAGGGGTGCTGCCATGGGTGGTGGGCCCGGGGCTCCGAAAACTTGGACCG
AGCTGCTGGCGGCAGAGTCAAAAAGCAAAAATATGATCCTGAAAGGGAACAGAAATTAAGGATTCTGC
TCTGAACTCCTGAGATACCATAAAAATATGCATGACCTTTTGTAGAGGTAGAAGGCCACAGTGTAAA
AGGTTGCGTCTCAGTGAGCTGATCGACCGGACAGTGTGACGCTTCTCCGACCGGTCTGCTTCCTTCA
TCCGCTCTGCTTCCGGGATCAGGCCTCAGGGCTGGGAGTTCTGTGGGGTGTATCTGCCAAAGTGT
TGCTCGCAGTGTGCAGCAGGTCTGCGTGGAGCCAGCCACCCCGTGTGCTCAGCCCGGAACAAAGTAAG
AAGCTGTCTTCTACTAATGATTGCCCGCATTTGTTGGCACAAAATATGTTCTCCCGTCTCACCTTCT
GTCAGGAATTATGGAAAGCACAGAACTTTTGTGCTGGAAGCTATGTGGCGTCTCACACGCACAGCGT
CGTGAGCCTACAGGAGCTACTGCAGAGCCATCCTGACTCGGAAGCCATGGCCATGTGGCTCTTCAGGAAC
CTACGATCTCTGTGTGAGCAGATAGGTGCATCCTGCCCATCCCCAGATACTACGGAAGCCATGCTCTCTG
GTCTTGTGCAACTGTTAATTTCAAGGGGGTTTCAGGGAAGCTCAGACCCAAGAAGACTTGTAGAGCCCGA
AAGGCTGCCCCAGGTTGCCACTGATGACTGCAGAGGATGCTGGCTTTTTCACTTGATACCCTGGAGGCT
GATCCACAGACGACTTTGGATTGCCAGGAGTGAGTGGCTGGATTCTATCTACTCCGGACATACGTGCT
GTGGTGTGGTAACAGAGAATTCTCTGAAGAGCTTCTTCAGTCACACGCTAACTCAGATTCTGACTCACAA
GCCCGTGTGAAAGTGTCTGATGCCATTCAGATGCAGAAAGAGTGGAGCTTTGCAAAGACACATCATCTG
CTCACGGATCTGCACTGCAGGGTTTTGGCGACCTGGGTCCAGAGGAGTCAGTTGGCCGTTTGCAGGAAG
TCCTGGAGATGCAGGAGTTAACTGGCAACATGTGCTCTCCTGTGTGCTACCCTGGTCGTCTGCTTTCC
CGAGGCACAGCAGTTGGTTAAAGTTGGGTAGCCTCTTTGATGGCCCGGGCCTTTGAGAGCTACCACCTA
GACAGCATGGTCACTGCGTTCTGATCGTGCAGGCTACTCTGGAGGGCCCTATGTATTTCCATCCT
ATGCAGATTGGTTCAAGGAGTCTTTGGGAGCTACATGGCTACCACAGCTGCAGCAAGAAAACACTGGT
CTTCTCTTCAAGTTCCTGTCTGACCTCGTGCCCTGGGAAGCCCTCGGTACATGCAGGTGCATATTTTC
CACCCACCCCTGGTGCCAAGCAAGTACCACTCCCTCCTTACAGACTACATCTCCTTGGCCAAGACAAGAC



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TTGCTGACCTCAAGGTTTCCCTGGAGAATGTGGGGCTCTACGAGGATTTGTCATCCCCTGGGGACATTGC
 CGAGCGTGAGAGCCAAGCGGTGCAGGATGTTAAGAAGGCCATCATGGTGTGTTGAACAAACAGGGAAGATC
 CCAATGCCTGTCTGGAGGCCAGCATATTCAGGAGGCCCTACTATGTGTCACTTCCCTCCCACGCTGC
 TTGCTCCGAGAGTGCTCCAGAGGTTCTGACCCCGGGTGGCCTTGATAGAGACCTGAAGAGAGCAGA
 TAAGATTCCTCCTCGATCTACGATGCCTACCGAAAGCCTGTGCCTCTGCTGAGAAGCAGCAGCCTGAA
 AATGCCACCTCGGCTCAAAGGACAGAGGCCGACTGTGCCAAAGAGCCCTGGGACTGCTCACAGCAGCAC
 TGGAAGAGCTCAGAGCTTAATGACAGACCCGACCCAATACAGTGTATTCTGCTCAGGTGGCCGTGGT
 TTCTGAAAAACTAAATGCTGTTCTGGGACACAGGAATGATGGTGGCAGCCTCCAGAGAGCAAAGATTCAG
 CTCAGTGTCTTCTCCACACTGCAGAAGCAGGACCAGGCGGTTGTGGATCTCTGCTGACAGCCTTCT
 GTCAGAACCTAATGGCAGCCTCTAGCTTTGTGCCCCAGAGAGGCAGAGCCCTGGGCTGTCTTTTCGT
 GAGGACCTTTGTGGACAGTGTCTCTCCCTGCAGTTCTCACTCGGCTCCGCCAGCTGCTCCGCCACCAG
 GGCCAGAGCTTGAGCACCTCTCATGTCTGGGCTTGGCTGCTCTTGCTGTCCATCTGGGCGAGTGCAGGT
 CCATGCTTCCAGAGGTGGATCCAGATGTTCTTGCTCCTTCTGCCGCGAGCCTCTGTGTCCCTGACTTCTT
 AAACAGCCTCCTGACCTGCCGACGAGGGACTCTCTGCTTCTGCATGAACTTCTGCACAGCAGCGGTT
 TCTTACTGTTTGTCAAGTTCTCTGCCCTGCGCAACTGTTTGTCTCCAGGTCTGATCAAAAAGTTTCAGT
 TCGTTGTGTTAAGATTGTTCCCAGAGGCCAGAGACCTTGTGCTCCAGAGCATGCAGCTTCCGCTCCCTG
 GAGACCTCTGTACCTTCTTCTGACAGCTGGCAGCGTGCTGCGCTCTCTCTGTGGAGACGGGACAGCTTC
 CAAGAGCTCCTGAAGGACAAGGAATTTTATTTAACTTACAGAGATTGGGTACAGCTGGAAGTGGAAATTC
 AACCTGAAGCGGATGTTCTCTCAGACATGGAAAGACATGACTTCCATCAATGGGCAATCTATGAGCGCTA
 CTTGCCAGCTCCGACGGCTTTGGGCGGCTGTGGTGGAGACCTGGAAGAGGCGTGCACAGTCTTGTGAGC
 GAGATCATGGACTTCCACAAAGTTCGAGGAGTTACAATCACTCAGAGGACTCAGACCTGGTTCTTGGTG
 GCCGCACAGGAAACAAGGATATCTTCCAGGCTACAGGAGATCGCTCTGGACTTGGAGTGGATCAAGG
 TTCTGCTGTGCCCATGGCTGTTCTACGCCGACAGTCACTTTCTGTTTCGGGTGTTCAGAAGACGGCTG
 CAGGCTCTGGCAAGGCCAGACAGCATGGCTACCAGCCTCAGGAGACAACAAGAAGTCTCACATGCAAAAC
 GGCTTCTCCTCTGCCTGCCCTCCTCTGTTCTCGTGGTGGCCCCAGGCCGGACAACCTATCTCCCCAA
 CTGTGGAGAGTTCTTTAGCCTGGTCAACTCTGAGTTGAGAACTTCTGTTGCCACGGCAGTGTCTGACC
 TCTGACATTACCATCCACTTCTCAGGGGGCTCCTTCTGTGTGTCTCCGAAAGTCAAGACCCAGCATTGG
 TGGCAACCCAGACACTGACAGAATGCCAGACTAAGTGTCCCGTATTCTGACTTCAGCACTGTTGTGGTG
 GTCGAGCCTGGAGCCAGTGTGTGGTGGTGGATGAGATGTTATCAGAGCCACTGCCTCGAGAGCTG
 CGGAGGCTCCAGGAGGCCGGGAATTTGCTAGCAATTTCCCTCCGCGTCACTTCCCAGCACCAGCC
 CCGCTGGATCGCAGCTGCTGCGTGCCTTTGCGTGGAGAGGAGTTAGGAAGGAAGATGCTACTGCACA
 TCTGCAAAGGCTGGACTGCCAAAGAGAGGAGCTGCTCATCGCCCTCTTCTTTTCTTCTGATGGGTCTA
 CTCTCGTCTACCTGACCAACGGGACACTGCGGAGCATCTGAAGGCTGTGGACATCTGTGCCGAGGTCC
 TCACGTGCTTGGAAAGAAGGAAGGTGCTCTGGCTGGTGTCTTCCAGTTGACAGAGAAAGATGCCAAGCT
 GGGGCACCTCCTTCACTTGGCCCCAGATCAGCACACCAGGCTGCTACCCTTGTCTTCTACAGTCTCCTC
 TCTGCTTCAAGTGAAGGGGCCGCTGTGAGGGAAGCAGCTTCTGACGTTGCTGTTGACATGTACCTCA
 AGCTGTACAGCTCTTTGTGGATGGGAAACCAGGCTCCAAGGGCACTCCGAGTCTCAGGGCAGCCCTGT
 ACAACTGATAACAAAGGCACGTGTTTTCTGCTGCAGCTAATACCTCAGTGCCAAAAACAGTGTCTTCTCC
 AACATGACAGAGCTGCTGGCTGGTGGAGGAGACTGTGACCCTGAGGTGAGCAACGCCCTCCGGCAGAGGC
 AGCAGGCTGACCCAGCTTTGACCTCTACCAGGACCTCAGCTGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_016925
 Insert Size: 4320 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:	NM_016925.3 , NP_058621.2
RefSeq Size:	4541 bp
RefSeq ORF:	4320 bp
Locus ID:	14087
UniProt ID:	Q9JL70
Cytogenetics:	8 72.1 cM
Gene Summary:	DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability (By similarity).[UniProtKB/Swiss-Prot Function]