

Product datasheet for RC223218

FANCA (NM_001018112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FANCA (NM_001018112) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FANCA
Synonyms:	FA; FA-H; FA1; FAA; FACA; FAH; FANCH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223218 representing NM_001018112 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCGACTCGTGGGTCCCGAACTCCGCCTCGGGCCAGGACCCAGGGGGCCCGGAGGGCCTGGGCCG
AGCTGCTGGCGGGAAGGGTCAAGAGGGAAAAATAATCCTGAAAGGGCACAGAAATTAAGGAATCAGC
TGTGGCCTCCTGCGAAGCCATCAGGACCTGAATGCCCTTTGCTTGAGGTAGAAGTCCACTGTGTAAA
AAATTGTCTCTCAGCAAAGTGATTGACTGTGACAGTTCTGAGGCCTATGCTAATCATTCTAGTTCATTTA
TAGGCTCTGCTTTCAGGATCAAGCCTCAAGGCTGGGGTTCCCGTGGGTATTCTCTCAGCCGGGATGGT
TGCTCTAGCGTGGGACAGATCTGCACGGCTCCAGCGGAGACCAGTCACCCTGTGCTGCTGACTGTGGAG
CAGAGAAAGAAGCTGTCTTCCCTGTTAGAGTTTGCTCAGTATTTATTGGCACACAGTATGTTCTCCCGTC
TTTCTTCTGTCAAGAATTATGGAAAATACAGAGTTCTTTGTTGCTTGAAGCGGTGTGGCATCTTCACGT
ACAAGGCATTGTGAGCCTGCAAGAGCTGCTGGAAGCCATCCCGACATGCATGCTGTGGGATCGTGGCTC
TTCAGGAATCTGTGCTGCCTTTGTGAACAGATGGAAGCATCCTGCCAGCATGCTGACGTCCGAGGGCCA
TGCTTTCTGATTTGTTCAAATGTTTGTGTTGAGGGGATTTAGAAAACTCAGATCTGAGAAGAACTGT
GGAGCCTGAAAAAATGCCGCAGGTCACGGTTGATGTACTGCAGAGAATGCTGATTTTTGCACTTGACGCT
TTGGCTGCTGGAGTACAGGAGGAGTCTCCACTCACAAGATCGTGAGGTGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_001018112.3](#)

RefSeq Size: 1673 bp

RefSeq ORF: 894 bp

Locus ID: 2175

UniProt ID: [O15360](#)

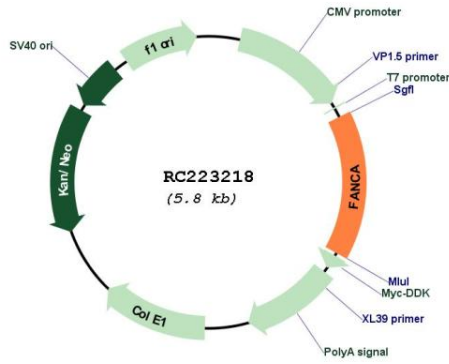
Cytogenetics: 16q24.3

Protein Families: Druggable Genome

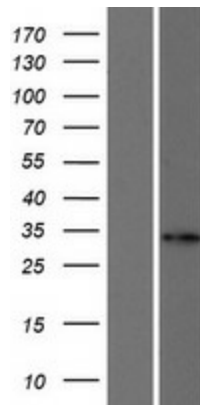
MW: 32.8 kDa

Gene Summary: The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group A. Alternative splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are the most common cause of Fanconi anemia. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC223218



Western blot validation of overexpression lysate (Cat# [LY422658]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223218 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).