hFANCC VersaClone cDNA

Catalog Number: RDC2717

Specifications:

Gene:	hFANCC
Accession:	NP_000127
Insert size:	1690bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

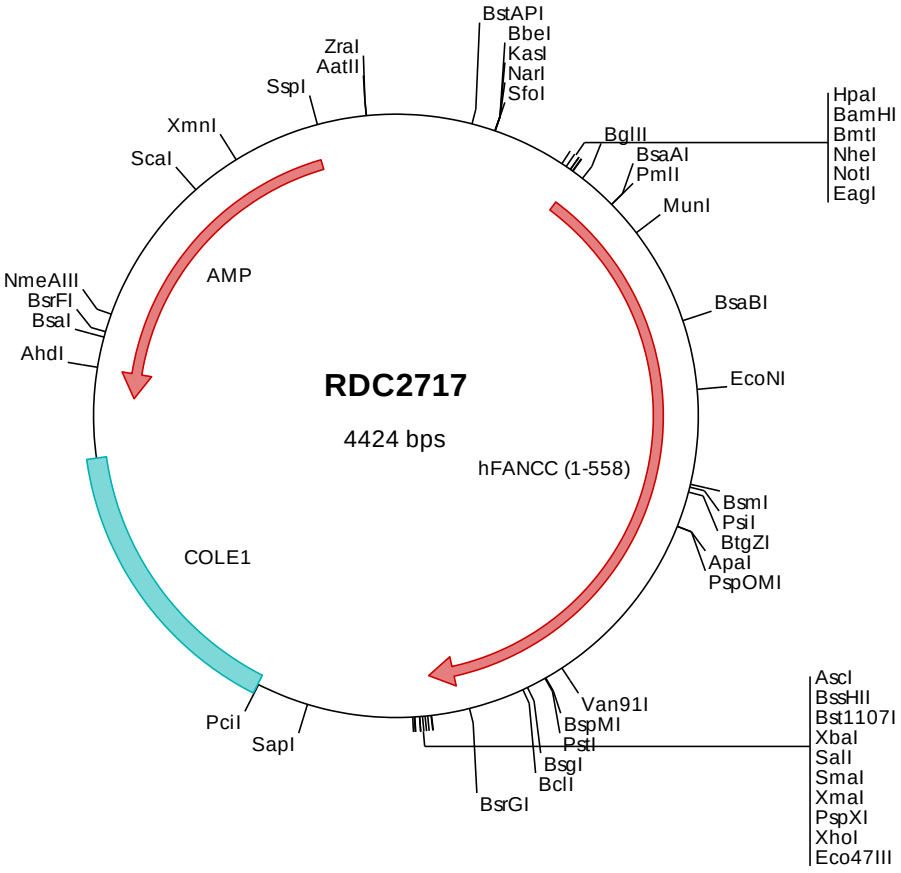
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hFANCC cDNA Plasmid

FANCC FA complementation group C [*Homo sapiens* (human)]

Also known as: FA3; FAC; FACC

Summary:
FANCC is a member of the Fanconi anemia complementation group (FANC). 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
a bio-techne brand

> RDC2717 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggctcaag attcagtaga tctttcttgt gattatcagt tttggatgca
 501  gaagctttct gtatgggatc aggcttccac tttggaaacc cagcaagaca cctgtcttca cgtggctcag ttccaggagt tcctaaggaa gatgtatgaa
 601  gccttgaaag agatggattc taatacagtc attgaaagat tccccacaat tggtcaactg ttggcaaaag cttgttggaa tccttttatt ttagcatatg
 701  atgaaagcca aaaaattcta atatggtgct tatgttgtct aattaacaaa gaaccacaga attctggaca atcaaaactt aactcctgga tacagggtgt
 801  attatctcat atactttcag cactcagatt tgataaagaa gttgctcttt tcactcaagg tcttgggtat gcacctatag attactatcc tggtttgctt
 901  aaaaatatgg ttttatcatt agcgtctgaa ctcagagaga atcatcttaa tggatttaac actcaaaggc gaatggctcc cgagcgagtg gcgtccctgt
1001  cacgagtttg tgtcccactt attaccctga cagatgttga ccccctggtg gaggctctcc tcatctgtca tggacgtgaa cctcaggaaa tcctccagcc
1101  agagttcttt gaggctgtaa acgaggccat tttgctgaag aagatttctc tccccatgtc agctgtagtc tgcctctggc ttcggcacct tcccagcctt
1201  gaaaaagcaa tgctgcatct ttttgaaaag ctaatctcca gtgagagaaa ttgtctgaga aggatcgaat gctttataaa agattcatcg ctgcctcaag
1301  cagcctgcca ccctgccata ttccgggttg ttgatgagat gttcaggtgt gcactcctgg aaaccgatgg ggccctggaa atcatagcca ctattcaggt
1401  gtttacgcag tgctttgtag aagctctgga gaaagcaagc aagcagctgc ggtttgcact caagacctac tttccttaca cttctccatc tcttgccatg
1501  gtgctgctgc aagaccctca agatatccct cggggacact ggctccagac actgaagcat atttctgaac tgctcagaga agcagttgaa gaccagactc
1601  atgggtcctg cggaggtccc tttgagagct ggttcctgtt cattcacttc ggaggatggg ctgagatggt ggcagagcaa ttactgatgt cggcagccga
1701  acccccacg gccctgctgt ggctcttggc cttctactac ggccccctgtg atgggaggca gcagagagca cagactatgg tccaggtgaa ggccgtgctg
1801  ggccacctcc tggcaatgtc cagaagcagc agcctctcag cccaggacct gcagacggta gcaggacagg gcacagacac agacctcaga gctcctgcac
1901  aacagctgat caggcacctt ctcctcaact tcctgctctg ggctcctgga ggccacacga tcgcctggga tgtcatcacc ctgatggctc acactgctga
2001  gataactcac gagatcattg gctttcttga ccagaccttg tacagatgga atcgtcttgg cattgaaagc cctagatcag aaaaactggc ccgagagctc
2101  cttaaagagc tgcgaactca agtctaaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt ggcgtaatca
2201  tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag
2301  tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag
2401  aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg
2501  gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg
2601  cgtttttcca taggctccgc ccccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt
2701  tccccctgga agctccctcg tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa
2801  tgctcacgct gtaggtatct cagttcggtg taggtcgttc gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg
2901  gtaactatcg tcttgagtcc aacccggtaa gacacgactt atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg taggcggtgc
3001  tacagagttc ttgaagtggt ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt
3101  ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc
3201  ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca cctagatcct
3301  tttaaattaa aaatgaagtt ttaaatcaat ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc tatctcagcg
3401  atctgtctat ttcgttcatc catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac
3501  cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat ccgcctccat
3601  ccagtctatt aattgttgcc gggaagctag agtaagtagt tcgccagtta atagtttgcg caacgttgtt gccattgcta caggcatcgt ggtgtcacgc
3701  tcgtcgtttg gtatggcttc attcagctcc ggttcccaac gatcaaggcg agttacatga tcccccatgt tgtgcaaaaa agcggttagc tccttcggtc
3801  ctccgatcgt tgtcagaagt aagttggccg cagtgttatc actcatggtt atggcagcac tgcataattc tcttactgtc atgccatccg taagatgctt
3901  ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa tacgggataa taccgcgcca
4001  catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca
4101  ctcgtgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc
4201  gacacggaaa tgttgaatac tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt
4301  tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata
4401  ggcgtatcac gaggccctttt cgtc
```

> RDC2717 Translated Insert Sequence

```
   1  maqdsvdlsc dyqfwmqkls vwdqastlet qqdtclhvaq fqeflrkmye alkemdsntv ierfptigql lakacwnpfi laydesqkil iwclcclink
 101  epqnsgqskl nswiqgvlsh ilsalrfdke valftqglgy apidyypgll knmvlslase lrenhlngfn tqrrmaperv aslsrvcvpl itltdvdplv
 201  eallichgre pqeilqpeff eavneaillk kislpmsavv clwlrhlpsl ekamlhlfek lissernclr riecfikdss lpqaachpai frvvdemfrc
 301  alletdgale iiatiqvftq cfvealekas kqlrfalkty fpytspslam vllqdpqdip rghwlqtlkh isellreave dqthgscggp feswflfihf
 401  ggwaemvaeq llmsaaeppt allwllafyy gprdgrqqra qtmvqvkavl ghllamsrss slsaqdlqtv agqgtdtdlr apaqqlirhl llnfllwapg
 501  ghtiawdvit lmahtaeith eiigfldqtl yrwnrlgies prseklarel lkelrtqv
```