

Product datasheet for **SC106130**

FANCI (BC004277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FANCI (BC004277) Human Untagged Clone
Tag:	Tag Free
Symbol:	FANCI
Synonyms:	Fanconi anemia, complementation group I; FLJ10719; KIAA1794
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC004277, the custom clone sequence may differ by one or more nucleotides

[ATGTTCAAGGATGTCCTCTGACTGCAGAAGAGGTGGAATTTGTGGTGGAAAAGCATTGAGCATGTTCT
CCAAGATGAATCTTCAAGAAATACACCTTTGGTCTATCAGTCTTGTTCTCTCCTCCAAGGGAAGCAG
AAAGAGTGTGTTTGAAGGAATCATAGCCTTCTTCAGTGCAGTACTAGATAAGCAGCACAATGAGGAACAGAGT
GGTGACGAGTGA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for BC004277 unedited
NNAAAAGTTCAGGATATTTGTNAATACGCACTCCACTCTTAGGGGCGGGCCGCGCAATTC
CGCACGAGGACGGCGTTGGGTTGAGCGGGCTTTTTGGGAAGTTGGGGGGGAGAGTCTCCC
TCTGTTGCCAGGCTGGAGTGCAGTGGCGGATCTCCGCTCACTGCAACCTCCGCCTCTG
AGTTCAAGTGATTCTCTGCCTCAGCCTCACAAGTAGCTGGACTACAGTTCTGTGATAT
GAGCAACAATGGACCAGAGGAGGTATCTCTANCANCAGAAAAACAGCAGACAAACTGC
AAGAATTTCTTCAAACCTGAGAGAAGGTGATTTGACTAATCTCCTTCAAGATCAAGCAG
TGAAAGGAAAAGTTGCTGGAGCACTCTGAGAGCCATCTTCAAAGTTCCCCCTGCGCTG
AGGAAGCTGGAACACTTANGAGACGTAAGATATACACTTGTGTGCCAGTTGGTGGAAAT
CGGGGGATTTGCAGAAAGAAATAGCGTCTGAGATCATAGGATTACTGATGCTGAAGGCTC
ACCATTTCCAGGACCATTATTGGGTGAATTAGCCAATGAGTTTATTAGTGCTGTGANAG
AAGCGGCCTANTGAATGGAAAACTTTGGAGTTACTACCTATCATTCTCACTGCGCTGG
CTACAAAAAGGAAAATCTGGCTTATGGAAAAGGTGTGCTGAGTGGGGAAGAATGTAAGA
AACAGTTGATTAACACCCTGTGTTCTGGCANGTGGGATCCAGCATATGTAATCCAACCTCA
CCTCCATGTTCAAAGATGTCCTCTGACTGCAGAAAAGGTGGGATTTGTGGGTGGGAAAA
ACTTTGAGCATGTGCTCCAAGATGAATCTTCAAGAAATACAGCTTTGGGCATCAGCTTC
TGGTGCTC

Restriction Sites: NotI-NotI



ACCN:	BC004277
Insert Size:	4200 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:	<u>BC004277.1</u> , <u>AAH04277.1</u>
RefSeq Size:	1096 bp
RefSeq ORF:	222 bp
Locus ID:	55215
Cytogenetics:	15q26.1
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 I. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]