

## Product datasheet for **SC209164**

### FANCD2 (NM\_033084) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** FANCD2 (NM\_033084) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** FANCD2  
**Synonyms:** FA-D2; FA4; FACD; FAD; FAD2; FANCD  
**ACCN:** NM\_033084  
**Insert Size:** 423 bp  
**Insert Sequence:** >SC209164 3'UTR clone of NM\_033084

The sequence shown below is from the reference sequence of NM\_033084. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTTCTATGCCATTTCCATTCCCTCCATACAGCTTCTGTGCTTATATAATTTTTGGGACCCAGAAGAA
ACAACGACACAATCTTGAATCACTCCTGAGTATCTCGAGTTGTGGCATTGTTATAGAGTTGACAATT
TTCTGCATTATAGCCTCTCATTTCCATGAATTCATATCTGAAACCATTTTGAAGGGAGAAGTCATCG
AAGTATTTTCTGAGTGTTGAGAAGAATGAGTTAAACCATTTAAACACATTTGAAACATACAAAAATAGA
AATGTGAAAGCATTTGGTAAAAGCCAAAGCACAGAGTCAGAAGCTGCCACCTTAGAGAACTGAAATAAA
AATAGAAGTTCTTACGCTTTTTTGTGGTACAGATGCTTTCGACAATTTAAAGAAAGCTAAATAAAATG
TAGACATGG
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_033084.6](#)



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**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 D2. This protein is monoubiquitinated in response to DNA damage, resulting in its localization to nuclear foci with other proteins (BRCA1 AND BRCA2) involved in homology-directed DNA repair. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

**Locus ID:**

2177

**MW:**

16.8