

Product datasheet for **RR200617**

Figl1 (NM_001011913) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Figl1 (NM_001011913) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Figl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200617 representing NM_001011913
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACATCCAGCTCCAGGTCTGTGCAGGTGGATGACTGGCAGAAGAATTACTCTGTGGTTGCATCCA
GCATATGTACACCTAAGCAGAAGGCCGATGCATACCGTGCCTACTGTCATATTCAGGATGCATATGC
CAACTCCGAGATCTCTCAGGTCTTTGCTACCAACCTGTTAAGAGGTATACAGAGAAATACTCTGCAATT
ATTGATTCTGACAATGTTGTAACCTGGCTTGAATAACTATGCAGAGAGCATTCTTTGCTTTGGCAGGATCTC
AACAGGCTGACAGTGACAAGTGGCAATCTGGTTTGTCAATAAATAATGTTTTCAAATGAGTACTGTACA
GGAGATGATGCAAGCTGGTCAGAAATTTAAAGAGTCTCTGTTGGAACCTGCTGATGCATCAGTAGTCATG
TGTAAGAGCCTACCATCTTTGAGGTTCTCAACTTGGTGTGTTGGAGGTTCTGAAGAAGCTGACCTGT
TATCCAGTTCAGTTCATGGCACAGAAAAGACCCAAAGCCATTCCAGGGAACAGTCTGAGATGTTCCCAT
TCAGAGCACTCTGTTCCCTATGGCAACCAATACTAAGACATGTCTCACCTCCTCAGCACCTTCAGGTGAG
TCAACCACTGCTACATTTACAGGACACCAATATTTGGAAACACCAAAAAGGAACCTCAAAGCTTTCCGA
AAACCAGCACAGGACTAAATATGTTCTTATCTAATCCATCTTGTGTTCTTCTGGCTGTGAAAATCCTCG
AGAAAAGGAAGGCTTTTAAAGACTCTGACACCATTAACATGCTTTCCAATCCAACACTGAATAAAGCTCCT
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AAAGTCTCTGGGAGCTGGGAGATCGAGAGGGATATTTGGAAAGTTGTTCTCTGTATCTAATAAGCAA
GATGGAAGTGAGCAGAAATGGAATGTGAAGCCTAAGTCTAGTAGGGCCGGTCTGCAGAACCAGCTCACC
TCACTGATGATCGCCTAAAGAACGTGGAACCAAGAATGGTTGAACTTATTATGAATGAAATATGGACCA
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GTGTGGCCATGATGAGACCAGATATCTTTACTGGATTGCGAGGGCCCCATAAGGAATTCTGCTCTTTG
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CATTTCTGCTTCTCACTGACTTCTAAGTGGTAGGTGAGGGAGAAAAATGGTCCGGGCATTGTTTGTCT
GTTGCAAGGTGTCAGCAGCCAGCTGTGATATTTATTGATGAAATTGATTCTTTATTGTCTCAACGAGGAG
ATGGTGAACATGAATCTCAAGAAGGATAAAAACGGAATTTTTAGTTCAGTTAGATGGAGCAACCACGTC
TTCTGAAGACCGTATTCTCGTGGTGGGAGCCACAATCGGCCCAAGAGATTGATGAAGCTGCCCGGAGA
AGATTGGTAAAAAGACTTTATATTCCTCTCCAGAAAGCTTCAGCCAGGAAACAGATAGTAGTTAATCTCA
TGTCTAAGGAGCAGTGTTCCTCACTGATGAAGAAACAGAACTGGTAGTGCAGCAGTCTGACGGTTTTTC
AGGAGCAGATATGACACAGCTTTGCAGAGAGGCTTCTCTTGGTCTATTGCGAGTTTGCACACTGCTGAC
ATCGCTACCATAAGTCCAGATCAAGTTCGACCAATAGCTTATATTGATTTTAAAAATGCTTTTAGAACTG
TGCGACCTTCTGTGTCTCCAAAAGACTTAGAGCTTTATGAAAACCTGGAATAAAACATTTGGTTGTGGAAA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200617 representing NM_001011913
Red=Cloning site Green=Tags(s)

METSSRSRVQVDDWQKNYSVVASSICTPKQKADAYRALLLHIQDAYANSEISQVFATNLFKRYTEKYSAI
 IDSDNVVTGLNNYAESIFALAGSQQADSDKWQSGLSINNVFKMSTVQEMMQAGQKFESLLEPADASVVM
 CKEPTIFEVPLQGVCGGSEEDLLSSSVHGTEKTQAIPGNLRCSPFQSTLFPMATNTKTCLTSSAPSGE
 STTATFHRTPLFGNTKKEPQSFPKTSTGLNMFLSNPSCVPSGCENPRERKAFNDSDTINMLSNPTLNKAP
 SKTEDSGQREDNSLPTFKTAKEQLWADQKRSQSHQSTKSFNGAIKSLGAGRSRGIFGKFVPPVSNKQ
 DGSEQNGNVKPKSSRAGSAEPAHLTDDRLLKNVEPRMVELIMNEIMDHGPPVHWEDIAGVEFAKATIKEIV
 VWPMMRPDIFTGLRPPKGILLFGPPGTGKTLIGKCIASQSGATFFSISASSLTSKWVGEKEMVRALFA
 VARCQQPAVIFIDEIDSLLSQRGDGEHSSRIKTEFLVQLDGATTSSEDRILVVGATNRPQEIDEAARR
 RLVKRLYIPLPEASARKQIVVNLMSKEQCCLTDEETELVVQSDGFSGADMTQLCREASLGPIRSLHTAD
 IATISPDQVRPIAYIDFENAFRTVRPSVSPKDLELYENWNKTFGCGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001011913

ORF Size: 2031 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001011913.1](#), [NP_001011913.1](#)

RefSeq Size: 2922 bp

RefSeq ORF: 2034 bp

Locus ID: 289777

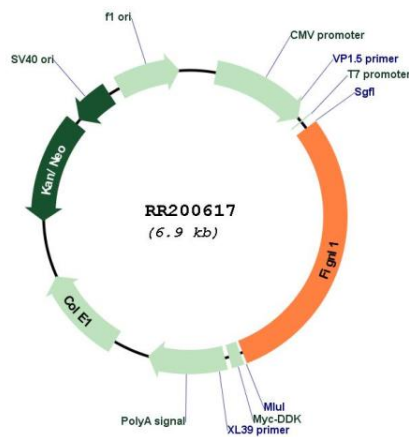
UniProt ID: [Q6GX84](#)

Cytogenetics: 14q21

MW: 74.2 kDa

Gene Summary: Involved in DNA double-strand break (DSB) repair via homologous recombination (HR). Recruited at DSB sites independently of BRCA2, RAD51 and RAD51 paralogs in a H2AX-dependent manner. May regulate osteoblast proliferation and differentiation (By similarity). May play a role in the control of male meiosis dynamic (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR200617