

## Product datasheet for **RN200617**

### **Figl1 (NM\_001011913) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN200617 representing NM\_001011913  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGACATCCAGCTCCAGGTCTGTGCAGGTGGATGACTGGCAGAAGAATTACTCTGTGGTTGCATCCA  
 GCATATGTACACCTAAGCAGAAGGCCGATGCATACCGTGCCTACTGCTACTGATATTCAGGATGCATATGC  
 CAACTCCGAGATCTCTCAGGTCTTTGCTACCAACCTGTTAAGAGGTATACAGAGAAATACTCTGCAATT  
 ATTGATTCTGACAATGTTGTAAGTGGCTTGAATAACTATGCAGAGAGCATTCTTTGCTTTGGCAGGATCTC  
 AACAGGCTGACAGTGACAAGTGGCAATCTGGTTTGTCAATAAATAATGTTTTCAAATGAGTACTGTACA  
 GGAGATGATGCAAGCTGGTCAGAAATTTAAAGAGTCTCTGTTGGAACCTGCTGATGCATCAGTAGTCATG  
 TGTAAGAGCCTACCATCTTTGAGGTTCTCAACTTGGTGTGGAGGTTCTGAAGAAGCTGACCTGT  
 TATCCAGTTCAGTTCATGGCACAGAAAAGACCCAAGCCATTCCAGGGAACAGTCTGAGATGTTCCCAT  
 TCAGAGCACTCTGTTCCCTATGGCAACCAATACTAAGACATGTCTCACCTCCTCAGCACCTTCAGGTGAG  
 TCAACCACTGCTACATTTACAGGACACCAATTATTTGAAAACACCAAAAAGGAACCTCAAAGCTTTCCGA  
 AAACCAGCACAGGACTAAATATGTTCTTATCTAATCCATCTTGTGTTCTTCTGGCTGTGAAAATCCTCG  
 AGAAAAGGAAGGCTTTAATGACTCTGACACCATTAACATGCTTTCCAATCCAACACTGAATAAGCTCCT  
 AGTAAAACAGAAGACAGTGGCCAAAGGGAAGATAATAGCCTGCCTACCTTTAAAAGTGAAGAAACAAT  
 TATGGGCAGATCAGAAAAAAGGAGCCATCAATCCCAGCACACCTCTAAATCTTTAACGGTGTATAAA  
 AAAGTCTCTGGGAGCTGGGAGATCGAGAGGGATATTTGAAAAGTTGTTCTCTGTATCTAATAAGCAA  
 GATGGAAGTGAGCAGAAATGAAAATGTGAAGCCTAAGTCTAGTAGGGCCGGTCTGCAGAACCAGCTCACC  
 TCACTGATGATCGCCTAAAGAAGCTGGAACCAAGAATGGTTGAACTTATTATGAATGAAATTTATGGACCA  
 TGGGCCTCCAGTACATTGGGAAGACATTGCTGGAGTAGAATTTGCCAAAGCTACAATAAAGGAAATGTT  
 GTGTGGCCATGATGAGACCAGATATCTTTACTGGATTGCGAGGGCCCTAAAGGAATTCGCTCTTTG  
 GCCCTCCAGAACTGGTAAAACCTGATTGGCAAGTGCATTGCTAGTCAGTCTGGAGCAACATTCTTCAG  
 CATTTCTGCTTCTCACTGACTTCTAAGTGGTAGGTGAGGGAGAAAAATGGTCCGGCATTGTTTGTCT  
 GTTGAAGGTGTCAGCAGCCAGCTGTGATATTTATGATGAAATGATTCTTTATGTCTCAACGAGGAG  
 ATGGTGAACATGAATCTCAAGAAGGATAAAAACGGAATTTTATGTTAGTTAGTAGGAGCAACCACGTC  
 TTCTGAAGACCGTATTCTCGTGGTGGGAGCCACAATCGGCCCAAGAGATTGATGAAGTGCCTGGGAGA  
 AGATTGGTAAAAGACTTTATATTCCTCTCCAGAAGCTTCAGCCAGGAAACAGATAGTAGTTAATCTCA  
 TGTCTAAGGAGCAGTGTTCCTCACTGATGAAGAAACAGAAGTGGTAGTGCAGCAGTCTGACGGGTTTT  
 AGGAGCAGATATGACACAGCTTTGCAGAGAGGCTTCTCTTGGTCTATTGCGAGTTTGCACACTGCTGAC  
 ATCGCTACCATAAGTCCAGATCAAGTTCGACCAATAGCTTATATTTGAAATGCTTTTAGAACTG  
 TGCGACCTTCTGTGTCTCCAAAAGACTTAGAGCTTTATGAAAACCTGGAATAAAACATTTGTTGTGGAAA  
**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001011913
- Insert Size:** 2034 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:**

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

**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]