

Product datasheet for **MC220434**

Figl1 (NM_021891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Figl1 (NM_021891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Figl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220434 representing NM_021891
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACGTCCAGCTCCATGTCTGTGGAGACGACTAGGTCTGTGCAGGTGGACGAATGGCAGAAGAATT
 ACTGTGTGGTTACATCCAGCATATGTACACCAAAGCAGAAGGCCGATGCATACCGTGCCTACTACTGCA
 TATTCAAGTATGCATATGCCAACTCCGAGATCTCTCAGGTCTTTGCTACCAACCTGTTCAAAGGTATAACA
 GAAAAACTCTGCAATTATTGATTCTGACAATGTTGTAAGTGGCTTGAATAACTATGCAGAGAGCATT
 TTGCTTTGGCAGGATCTCGACAGGCTGACAGTAACAAGTGGCAGTCTGGATTGTCAATAGATAATGTTTT
 CAAAATGAGTTGTGTACAGGAGATGATGCAGGCTGGCAAGAAATTTGAAGAGTCTCTGTTGGAACCTGCT
 GATGCATCAGTAGTCTGTAAAGAGCCACCCTTTGAGGTTCTCAGCTTAGTGTGTTGTTGGAGGTT
 CTGAAGACGCTGACATATTATCCAGTTCAGGTCATGACACAGATAAGACCAAGCCATCCAGGGAGCAG
 TCTGAGATGTTCCCTTTTCAGAGTCTCGGCTGCCTAAGGAACTAATACCACTAAGACATGCCTCACC
 TCCTCAACATCTTTAGGTGAGTCAGCCACTGCAGCATTTACATGACACCATTATTTGAAAACACCGAAA
 AGGACACTCAAAGCTTCTCTAAAACCAGCACAGGACTAAATATGTTCTTATCTAATCTGTCTTGTGTTCC
 TTCTGGCTGTGAAAACCTCAAGAAAGGAAGGCTTTAATGACTCTGACATCATTGACATACTTTCCAAT
 CCAACTGAACAAGGCTCCTAGTAAAACAGAAGCAGAGGCCGAAGGGAAGATAATAGCCTGCCTACCT
 TAAAACCTGCAAAAGAACAATTATGGGTAGATCAAAAGAAAAGGGCCATCAATCCCAGCATACATCTAA
 ATCTTCTAATGGTGTATGAAAAGTCTCTGGGAGCTGGGAGGTCGAGAGGGATATTTGGCAAGTTGTT
 CCTCCTGTATCTAATAAGCAAGACGGAAGTGAAGCAGATGCCAAGAAGCACAAGTCTAGTAGGGCAGGGT
 CTGCAGAACCAGCACACCTCACTGATGATTGTCTGAAGAACGGAGCCAAGGATGGTTGAACTTATTAT
 GAATGAAATTATGGACCATGGCCCTCCAGTACATTGGGACGATATTGCTGGAGTAGAATTTGCCAAAGCC
 ACAATAAAGGAAATCGTTGTGTGGCCATGATGAGGCCAGATATCTTTACTGGATTGCGAGGGCCCCCTA
 AAGGAATTCTGCTCTTTGGCCCTCCAGGGACTGGTAAAACCTGATTGGCAAGTGCATTGCTAGCCAGTC
 TGGAGCAACATTTCTCAGCATCTCTGCTTCATCGTTGACTTCTAAGTGGGTAGGTGAGGGAGAAAAATG
 GTCCGTGCACTGTTTGTGTTGCCAGGTGTCAGCAGCCAGCTGTCATATTTATTGATGAAATTGATTCTT
 TATTGTCTCAACGAGGAGATGGTGAACATGAATCTTCAAGAAGGATAAAAACGGAATTTTGTAGTTCAGT
 AGATGGAGCAACCACATCTTCTGAAGACCGGATCTTGTGGTGGGAGCTACAAATCGGCCCAAGAGATT
 GATGAAGTGCCTCGGAGAAGATTGGTAAAAGACTTTATATTTCCCTCCCAGAAGCTTCAGCCAGGAAAC
 AGATAGTAGGTAATCTAATGTCTAAGGAGCAATGTTGTCTCAGTATGAAGAACTGATCTGGTAGTGCA
 GCAGTCTGATGGGTTTTCTGGCGCAGATATGACACAGCTTTCAGAGAGGCTTCTCTTGGTCTATTTCGC
 AGTTTGCACGCTGCTGACATTGCTACCATAAGTCCAGATCAAGTTCGACCAATAGCTTATATTGATTTTG
 AAAATGCTTTTAAAACCTGTGCGACCTACTGTATCTCCAAAAGACTTGGAGCTTTATGAAAACCTGGAATGA
 AACATTTGGTTGTGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_021891
- Insert Size:** 2052 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_021891.3](#), [NP_068691.2](#)

RefSeq Size: 2964 bp

RefSeq ORF: 2052 bp

Locus ID: 60530

UniProt ID: [Q8BPY9](#)

Cytogenetics: 11 A1

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 (PubMed:17352653). May play a role in the control of male meiosis dynamic (PubMed:22110678).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.