

Product datasheet for **MC220435**

Figl1 (NM_001163359) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Figl1 (NM_001163359) 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: >MC220435 representing NM_001163359
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACGTCCAGCTCCATGTCTGTGGAGACGACTAGGTCTGTGCAGGTGGACGAATGGCAGAAGAATT
 ACTGTGTGGTTACATCCAGCATATGTACACCAAAGCAGAAGGCCGATGCATACCGTGCCTACTACTGCA
 TATTCACTATGCATATGCCAACTCCGAGATCTCTCAGGTCTTTGCTACCAACCTGTTCAAAGGTATAACA
 GAAAAACTCTGCAATTATTGATTCTGACAATGTTGAACTGGCTTGAATAACTATGCAGAGAGCATT
 TTGCTTTGGCAGGATCTCGACAGGCTGACAGTAACAAGTGGCAGTCTGGATTGTCAATAGATAATGTTTT
 CAAAATGAGTTGTGTACAGGAGATGATGCAGGCTGGCAAGAAATTTGAAGAGTCTCTGTTGGAACCTGCT
 GATGCATCAGTAGTCCTGTGTAAGAGCCACCCTTTGAGGTTCTCAGCTTAGTGTGTTGGAGGTT
 CTGAAGACGCTGACATATTATCCAGTTCAGGTCATGACACAGATAAGACCCAAGCCATCCAGGGAGCAG
 TCTGAGATGTTCCCTTTTCAGAGTCTCGGCTGCCTAAGGAACTAATACCACTAAGACATGCCTCACC
 TCCTCAACATCTTTAGGTGAGTCAGCCACTGCAGCATTTCACATGACACCATTATTTGAAAACACCGAAA
 AGGACACTCAAAGCTTCTCTAAAACCAGCACAGGACTAAATATGTTCTTATCTAATCTGTCTTGTGTTCC
 TTCTGGCTGTGAAAACCTCAAGAAAGGAAGGCTTTAATGACTCTGACATCATTGACATACTTTCCAAT
 CCAACTGAACAAGGCTCCTAGTAAAACAGAAGACAGAGGCCGAAGGGAAGATAATAGCCTGCCTACCT
 TAAAACCTGCAAAAGAACAATTATGGGTAGATCAAAGAAAAAGGGCCATCAATCCCAGCATACATCTAA
 ATCTTCTAATGGTGTTATGAAAAGTCTCTGGGAGCTGGGAGGTCGAGAGGGATATTTGGCAAGTTGTT
 CCTCCTGTATCTAATAAGCAAGACGGAAGTGAAGCAGCATGCCAAGAAGCACAAGTCTAGTAGGGCAGGGT
 CTGCAGAACCAGCACACCTCACTGATGATTGTCTGAAGAACGTGGAGCCAAGGATGGTTGAACTTATTAT
 GAATGAAATTATGGACCATGGCCCTCCAGTACATTGGGACGATATTGCTGGAGTAGAATTTGCCAAAGCC
 ACAATAAAGGAAATCGTTGTGTGGCCCATGATGAGGCCAGATATCTTTACTGGATTGCGAGGGCCCCCTA
 AAGGAATCTGCTCTTTGGCCCTCCAGGGACTGGTAAAACCTGATTGGCAAGTGCATTGCTAGCCAGTC
 TGGAGCAACATCTTCAGCATCTCTGCTTCATCGTTGACTTCTAAGTGGGTAGGTGAGGGAGAAAAAATG
 GTCCGTGCACTGTTTGTGTTGCCAGGTGTCAGCAGCCAGCTGTCATATTTATTGATGAAATTGATTCTT
 TATTGTCTCAACGAGGAGATGGTGAACATGAATCTTCAAGAAGGATAAAAAACGGAATTTTGTAGTTCAGT
 AGATGGAGCAACCACATCTTCTGAAGACCGGATCTTGTGGTGGGAGCTACAAATCGGCCCAAGAGATT
 GATGAAGTGCCTCGGAGAAGATTGGTAAAAGACTTTATATCCCTCCCAGAAGCTTCAGCCAGGAAAC
 AGATAGTAGGTAATCTAATGTCTAAGGAGCAATGTTGTCTCAGTATGAAGAACTGATCTGGTAGTGCA
 GCAGTCTGATGGGTTTTCTGGCGCAGATATGACACAGCTTTCAGAGAGGCTTCTCTGGTCTATTTCGC
 AGTTTGCACGCTGCTGACATTGCTACCATAAGTCCAGATCAAGTTCGACCAATAGCTTATATTGATTTTG
 AAAATGCTTTTAAAACCTGTGCGACCTACTGTATCTCCAAAAGACTTGGAGCTTTATGAAAACCTGGAATGA
 AACATTTGGTTGTGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001163359
- 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:	<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>NM_001163359.1, NP_001156831.1</u>
RefSeq Size:	2974 bp
RefSeq ORF:	2052 bp
Locus ID:	60530
UniProt ID:	<u>Q8BPY9</u>
Cytogenetics:	11 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1-3 encode the same protein.</p>