

## Product datasheet for **MC206105**

### Cfl1 (BC058726) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cfl1 (BC058726) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cfl1  
**Synonyms:** cofilin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC058726

```
>BC058726
TCGGATCCCGGCAGCAGCTGCGGGCCTCAGGTCTTCAGTTGCTCTTTCTGTCTCCCTTTTCGTTTCCGGA
AACATGGCCTCTGGTGTGGCTGTCTCTGATGGTGTCAAGGTGTTCAATGACATGAAGTTTCGCAAGT
CTTCAACACCAGAAGAAGTGAAGAAACGCAAGAAGGCGGTGCTCTTTGCCTGAGTGAGGACAAGAAGAA
CATCATCTCGGAGGAGGCAAGGAGATCCTGGTAGGAGATGTGGGCGAGACTGTGGACGACCCCTACACC
ACTTTTGTCAAGATGCTGCCAGACAAGGACTGCCGCTATGCACTCTATGATGCAACCTATGAGACCAAGG
AGAGCAAGAAGGAGGACCTGGTGTTCATCTTCTGGGCCCCGAGAATGCACCCCTCAAGAGCAAAATGAT
CTATGCCAGTCCAAGGATGCCATCAAGAAGAAGCTGACAGGAATCAAGCATGAATTACAAGCTAACTGC
TACGAGGAGGTCAAGGACCGCTGCACCCCTGGCAGAGAACTAGGTGGCAGCGCCGTCATTTCCCTGGAGG
GCAAGCCTTTGTGAGCCACCTCCAGCCCTGCCTGGAGCATCTTAACAGCCCCAGACCTGCTCTTGGGT
GTTGCAGGCTGCCCTTTCTGCCAGACCGGAGGGCTGGGGGATCCCAGCAGGGGAGGGCTATCCCT
TCACCCAGTTGCCAAACATCCCTCCCACCCCTGGACCGTCTTCTCCCTCCATCCCTGACGGTTCTGG
CCTTCCCAAACCTGCTTTTGTATCTTCTGATCTCTTGGTTGACGACACCAAGTCCCGTCTAGGCACC
CAGTTTGGGGGAGCCTGTATTTTTTTTTTAAACGACACCCCTACTCCGTATCCCTCCCCATCCCATGCT
GCCAACTTCTAACCACAATAGTGACTCTGTGCTTGTCTGTTAGTTCTGTGTGTAATGAAATGTGGAAA
TGACCCTCCCTGCCCCAGCTGGCTGCCCTCCCCTTTCTTTGATCTTGACCACTCATGGAAGCAGGACCA
GTAAGGGACCTCAATTTAAAACAAAACAAAAAAAAAAAAAAAAAAAA
```

**Restriction Sites:** AscI-NotI  
**ACCN:** BC058726  
**Insert Size:** 501 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>BC058726, AAH58726</u>
<b>RefSeq Size:</b>	1096 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	12631
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed:11809832). Regulates actin cytoskeleton dynamics. Important for normal progress through mitosis and normal cytokinesis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required for the up-regulation of atypical chemokine receptor ACKR2 from endosomal compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation (By similarity). Required for neural tube morphogenesis and neural crest cell migration (PubMed:15649475).[UniProtKB/Swiss-Prot Function]