

## Product datasheet for **MC216896**

### **Fscn2 (NM\_172802) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fscn2 (NM_172802) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fscn2
Synonyms:	A930022G03; Ahl8; C630046B20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216896 representing NM\_172802  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAACCAACGGTCTGCACCAGGTGCTGAAGATCCAGTTTGGCCTTGTTAACGATGCCGACCGCTACC  
 TGA CTGCAGAGAGCTTTGGCTTCAAGGTCAACGCCTCCGAGCCAGCCTCAAGAGGAAGCAGATCTGGGT  
 CCTGGAGCCTGACCCGGGGCAGGGCACTGCCGTGCTGTTCCGAAGCAGTACCTAGGCCGTACCTGTCA  
 GCAGAAGAAGATGGACGTGTGGCCTGTGAGATGGATCAGCCGGGCCGTGACTGCCGCTTCTGGTCTTGC  
 CGCAGCCTGATGGGCGCTGGGTGCTGCAGTCAGAGCCACACGGCCGCTTCTTCGGTGGCATTGAGGACCG  
 ACTGTCCTGCTTTGCCACGGCCATTTCCCGGCAGAGCTGTGGACTGTGCACCTGGCCATCCACCCACAG  
 GCTCATTTGCTGAGTGTGAGCCGTCGGCGCTACGTGCACCTGTGCCTTCAGGAAGATGAGATGGCAGCAG  
 ACGGTGACATGCCATGGGGTGTGGACGCACTAGTCACCCTCATTTCCAGAGCAGGCGGTACTGCCTCAA  
 GTCTTATGACAGCCGCTACCTTCGACGCGATGGCCGCTTGTCTGGGAACCTGAAGCCCATGCCTGTAC  
 ACGCTGGAGTTCAAGGCAGGCAAGCTGGCCTTCAAGGACTGTGACGGCCGGTACCTGGCACCTGTGGGGC  
 CTGCTGGCACACTCAAGGCTGGTCGCAACACGAGGCCAGCAAGGATGAACCTTCGACCTGGAGCAAAG  
 TCACCACAGGTGGTGTGGTAGCTGCCAACCGCGCTACATCTCTGTGAGGCAAGGAATCAATGTCTCA  
 GCCAATCAGGATGAAGAAGTGGGTGATGAGACATTCCTGATGCAAATCGACCAGGAGACAAAGAAGTGTA  
 CTTTCTATTCCAGCACTGGGGGCTACTGGACCTTGGTCACCCATGGGGGCATTAGGCCACAGCCACACA  
 AGTCTCTGCCAACCCATGTTTGAATAGAATGGCATGGCCGGCGGTGGCACTTAAAGCCAGCAACGGG  
 CGTTTTGTGTCATGAAGAAAAACGGGCAGCTGGCCGCCATCAGCGACTTGTGGGCGAGGACGAGCTAT  
 TTACCCCAAGCTCATCAATCGACCCCTCCTGGTGTGCGTGGCCTGGATGGCTTTGTGTGCCACCGCCG  
 GGGCTCCAACCAGCTGGACACCAACCGTCCACTTACGACGTCTCCACTTGAGCTTCAGGATGGCGCC  
 TATCAGATTAGAGGCCGTGGAGGTGGTCTGGTACACAGGCAGCCATGGAAGCGTGTGCAGCGACGGTG  
 ACTTGGCGGAAGATTTCTCTTTGAGTTCGAGAGCGTGGCCGCTGTGCCATCCGAGCCCTCAGCGGCAA  
 GTACCTGCGTGGAGGAGCCTCAGGGCTCCTGCGTGTGATGCAGACCTGCCTGTGGGGGAAGCTCTCTGG  
 GAATACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_172802
- Insert Size:** 1479 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\\_172802.4](#), [NP\\_766390.2](#)

**RefSeq Size:** 1718 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 238021

**UniProt ID:** [Q32M02](#)

**Cytogenetics:** 11 E2

**Gene Summary:** Acts as an actin bundling protein. May play a pivotal role in photoreceptor cell-specific events, such as disk morphogenesis. Important for maintaining functional hair-cell bundles in the inner ear. May stiffen the longer stereocilia of hair-cell bundles in the inner ear enabling better force transmission to tip links.[UniProtKB/Swiss-Prot Function]