

## Product datasheet for **MC216130**

### **Tfap2b (NM\_009334) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tfap2b (NM_009334) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfap2b
Synonyms:	AI606113; AP-2(beta); E130018K07Rik; Tcfap2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216130 representing NM\_009334  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACTCACCTCTAGAGACCAGGCTGCGATCATGCTCTGGAACTCGTGGAGAATGTCAAGTACGAAG  
 ACATCTATGAGGACCGGCACGATGGCGTCCCAAGCCATAGCTCGAGACTCTCTCAACTGGGCTCTGTGTC  
 CCAAGGACCCTACTCAAGCGCCCGCGCTGTCCACACGCCATCATCGACTTCCAGCCACCCTACTTT  
 CCGCCCCCTACCAGCCGCTACCCTACCACCAGAGTCAAGACCCGTACTCCACGTCAACGATCCCTACT  
 CCCTGAACCTCTGCATCAGCCCAGCAGCACCCGTGGGGGAACGGCAACGCCAAGAAGTGGGCTCAGA  
 AGCCGGCTCTCTCTGCCCCAGCCCGGGCAGCCTTGCCCGAGCTCTCCGGCCTTGATCCCCGAAGGGAC  
 TACCCTCTGTCCGCGCCGGACGTGCTGCTGCATTCCGCACATCACGGCTGGACGCCGGCATGGGCG  
 ACAGCCTCTCGTTGCACGGCCTTGGGCATCCCGGCATGGAAGACGTGCAGTCAGTTGAAGATGCCAATA  
 CAGCGGCATGAACCTATTGGACCAGTCAGTCATTAATAAAGTTCTCTGTCCCTCCCAAATCTGTGACTTCT  
 CTAATGATGAATAAAGATGGCTTCTTGGGAGGAATGTCAGTCAACACCGCGAGGATATTTGCTCAGTCC  
 CGGGCCGTTTATCTCTACTCAGTTCAACTTCAAAGTACAAAGTCACTGTGGGCGAAGTTCAGAGAAGGCT  
 CTCGCCCCCTGAATGCCTCAATGCATCTCTCTGGGCGGCGTCTCAGAAAGCCAAATCGAAAAATGGG  
 GGGAGATCCTTGAGAGAAAGGCTAGAAAAATCGGTTTGAATTTACCCGCGGGCAGGCGCAAAGCAGCAA  
 ATGTCACGTTACTCACCTCACTGGTAGAAGGGGAAGCTGTTCACTTAGCTCGGGATTTCCGGTATATTTG  
 TGAACAGAGTTTCTGCTAAAGCCGTGTCGAGTATTTGAACAGACAGCACACGGACCCAGTACCTG  
 CACTCCAGAAAGAATATGCTGCTGGCCACCAAGCAACTTGTAAAGAATTACGGATCTGTGCTCAGG  
 ACCGGACACCGATCGGAAACAGCAGGCCAGCCCACTCTGGAGCCGGGCATCCAAGCTGTCTCACGCA  
 TTCAGTCTCATACGCACGGCTTCGGTGCCTCCCGCCATTTGCGCTGCGCTCACGGCCCTGCAGAATAT  
 CTCACCGAGGCGCTCAAAGGCATGGACAAGATGTTCTTGAACAACACCACTAACAGGCACACGTCTGGG  
 AAGGCCAGGTAGTAAACTGGCGACAAGGAGGAGAAACACAGGAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_009334

**Insert Size:** 1380 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\\_009334.3](#), [NP\\_033360.2](#)

RefSeq Size: 6132 bp

RefSeq ORF: 1380 bp

Locus ID: 21419

UniProt ID: [Q61313](#)

Cytogenetics: 1 A3

**Gene Summary:** Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.