

## Product datasheet for **MC220423**

### **Tgfb1 (NM\_009369) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tgfb1 (NM_009369) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tgfb1
Synonyms:	68kDa; AI181842; AI747162; Beta-ig; big-h3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC220423 representing NM\_009369  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCTCCTCATGCGACTGCTGACCCTCGTCTGGCACTGTCTGTGGGCCCGCTGGGACCCTTGACG  
 GTCCCGCCAAGTCACCCTACCAGCTGGTGTGCAGCATAGCCGGTCCGGGGTCGCCAGCAGCGGCCCAA  
 TGTATGTGCTGTGCGAAGGTCATTGGCACCAACAAGAAATACTTCACCAACTGCAAGCAGTGGTACCAG  
 AGGAAGATCTGCGGCAAGTCGACAGTCATCAGTTATGAGTGTCTCTGGATATGAAAAGGTCCCAGGAG  
 AGAAAGGTTGCCAGCAGCTCTCCGCTCTCAAATCTGTATGAGACCATGGGAGTTGTGGGATCGACCAC  
 CACACAGCTGTATACAGACCGCACAGAAAAGCTGAGGCCGTGAGATGGAGGGACCCGGAAGCTTCACCATC  
 TTTGCTCTAGCAATGAGGCCTGGTCTTCTTGCCTGCGGAAGTGTGGACTCCCTGGTGTGAGCAACGTCA  
 ACATCGAACTGCTCAATGCTCTCCGCTACCACATGGTGGACAGGGGGTCTGACCGATGAGCTCAAGCA  
 CGGCATGACCCTCACCTCCATGTACCAGAATCCAACATCCAGATCCATCACTATCCCAATGGGATTGTA  
 ACTGTAACTGTGCCCGGCTGTGAAGGCTGACCACCATGCGACCAACGGCGTGGTGCATCTCATTGACA  
 AGGTCAATTTCCACCATCACCAACAACATCCAGCAGATCATTGAAATCGAGGACACCTTTGAGACACTTCG  
 GGCCCGCTGGCTGCATCAGGACTCAATACCGTGTGGAGGGCGACGGCCAGTTCACACTTTGGCCCCA  
 ACCAACGAGGCCTTTGAGAAGATCCCTGCCGAGACCTGAACCGCATCTGGGTGACCCAGAGGCACTGA  
 GAGACCTGCTAAACAACCACATCTGAAGTCAGCCATGTGTGCTGAGGCCATTGTAGCTGGAATGTCCAT  
 GGAGACCTGGGGGACCACACTGGAGGTGGGCTGCAGTGGGGACAAGCTCACCATCAACGGGAAGGCT  
 GTCATCTCAACAAGACATCTGGCCACCAACGGTGTCAATTCATTTATTGATGAGCTGCTTATCCCAG  
 ATTCAGCAAGACACTGCTTGTAGCTGGTGGGAATCTGACGCTCCACTGCCATTGACATCTCAACA  
 AGCTGGCCTCGATACTCATCTCTCTGGGAAAGAAGTTCAGCTTCCCTGGCCCCCTGAATTCGTGTTC  
 AAAGATGGTGTCCCTCGCATCGACGCCAGATGAAGACTTTGCTTCTGAACCACATGGTCAAGAACAGT  
 TGGCCTCAAGTATCTGTACTCTGGACAGACACTGGACACGCTGGGTGGCAAAAAGCTGCGAGTCTTTGT  
 TTATCGAAATAGCCTCTGCATTGAAAACAGCTGCATTGCTGCCATGATAAGAGGGGACGGTTTGGGACC  
 CTGTTCCACATGGACCGGATGTTGACACCCCAATGGGGACAGTTATGGATGTCTGAAGGGAGACAATC  
 GTTTTAGCATGCTGGTGGCCGCATCCAGTCTGCAGGACTCATGGAGATCCTCAACGGGAAGGGGTCTA  
 CACTGTTTTTGTCCCACCAATGAAGCGTTCGAAGCCATGCCTCCAGAAGAAGTGAACAACTCTTGGA  
 AATGCCAAGGAATTACCAACATCTGAAGTACCACATTTGGTGTGAAATCCTGGTTAGCGGAGGCATCG  
 GGCCCTGGTGGCGTGAAGTCTCTCAAGGGGACAACTGGAAGTCAGCTCGAAAAACAATGTAGTGAG  
 TGCAATAAGGAGCCTGTTGCCGAAACCGACATCATGGCCACAAACGGTGTGGTCTATGCCATCAACACT  
 GTTCTGCAGCCGCCAGCCAACCGACCACAAGAACGAGGAGATGAGCTGGCAGACTCTGCCCTTGAATCT  
 TCAAACAGGCGTCAGCGTATTCCAGGGCTGCCAGAGGTCTGTGCGACTTGCCCCGTCTATCAGCGGT  
 ACTGGAGAGGATGAAGCAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_009369
- 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\\_009369.4](#), [NP\\_033395.1](#)

**RefSeq Size:** 2678 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 21810

**UniProt ID:** [P82198](#)

**Cytogenetics:** 13 30.09 cM

**Gene Summary:** Plays a role in cell adhesion (PubMed:8024701). May play a role in cell-collagen interactions (By similarity).[UniProtKB/Swiss-Prot Function]