

## Product datasheet for **MC227215**

### **Tgfb1i1 (NM\_001289553) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tgfb1i1 (NM\_001289553) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tgfb1i1  
**Synonyms:** ARA55; hic-5; Hic5; TSC-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC227215 representing NM\_001289553  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCTCAGTTCCCATCTAGTAAAATGGCTGAAGGGGAAGAGAAGGAGGACCAATCTGAAGACAAGAGCT  
 CACCCACTGTCCCTCCCAGCCCATTCCCTGCCCCCTCAAAGCCTTCAGCCACCTCCGCCACTCAGGAAC  
 GGATAGACTGATGGCCTCGCTCTGACTTCCGTGTTCAGAACCATCTCCAGCCTCAGGGCCACCTCAG  
 CCTCCAGCAGCGAGCCCCACCCGTGAAGGATGCCATCTCCACCAGGACAGACTAGCAAAGGCAGTCTGG  
 ACACCATGCTGGCCTGCTGCAGTCTGACCTCAGCCGTCGTGGTGTCCACACAGGCCAAAGGCCTCTG  
 TGGCTCCTGCAATAAACCTATAGCTGGCAAGTGGTTACAGCCCTGGGCAGAGCCTGGCACCCGGAGCAC  
 TTCCTTTGCAGCGGTTGTTCCACAACCCTGGGAGGCAGCAGCTTCTTCGAGAAGGATGGGGCTCCCTTTT  
 GCCCCGAGTGCTACTTTGAGCGCTTCTCCCCACGATGTGGCTTCTGTAACCAACCATCCGACACAAAAT  
 GGTTACCGCCTTGGGCACCCACTGGCACCCAGAACATTTCTGCTGCGTCAGCTGCGGAGAGCCTTTTGG  
 GAAGAGGGTTTCCACGAGCGGGAGGGTCGTCCGTACTGCCGGCGGACTTCTGCAGCTGTTTCGCCCCAC  
 GCTGCCAGGGCTGCCAAGGCCATTTTGGATAACTACATCTCGGCACTCAGCGCGCTCTGGCACCCAGA  
 CTGCTTCGTGTGCAGGGAATGCCTTGCGCCCTTCTCCGGAGGCAGCTTTTTCGACACGAGGGTTCGCCCT  
 TTGTGTGAAAACCATTTCCATGCTCAGCGTGGTTCGCTGTGCCAGTGTGGTCTCCAGTGACCGGCC  
 GCTGTGTGTCGGCTCTGGGCCGACGCTTCCATCCAGACCACTTACCTGCACATTCCTGCCTGCGCCCAT  
 CACCAAAGGCTCCTTCCAGGAGCGGCCAGCAAGCCTTACTGCCAGCCTTCTTCTGAAGCTCTTCGGC  
 TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001289553
<b>Insert Size:</b>	1053 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001289553.1</a></u> , <u><a href="#">NP_001276482.1</a></u>
<b>RefSeq Size:</b>	3788 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	21804
<b>UniProt ID:</b>	<u><a href="#">Q62219</a></u>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	Functions as a molecular adapter coordinating multiple protein-protein interactions at the focal adhesion complex and in the nucleus. Links various intracellular signaling modules to plasma membrane receptors and regulates the Wnt and TGFB signaling pathways. May also regulate SLC6A3 and SLC6A4 targeting to the plasma membrane hence regulating their activity. In the nucleus, functions as a nuclear receptor coactivator regulating glucocorticoid, androgen, mineralocorticoid and progesterone receptor transcriptional activity. May play a role in the processes of cell growth, proliferation, migration, differentiation and senescence. May have a zinc-dependent DNA-binding activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) lacks an alternate exon in the 5' region, resulting in translation initiation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (d) is shorter at the N-terminus, compared to isoform a.