

## Product datasheet for MR229761

### Tgfb1i1 (NM\_001289551) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tgfb1i1 (NM\_001289551) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tgfb1i1  
**Synonyms:** ARA55; hic-5; Hic5; TSC-5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR229761 representing NM\_001289551  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGACCTGGATGCCCTGCTCTGACCTGGAGACCACCACTTCACACATGTCACGGTTAGGGGCTC  
 CAAAAGAGCGCCACCAGAGACTCACACCTCCCCACCTATGGCCACCAGCCACAGACAGGGTCTGG  
 AGAATCTTCAGGAACCACTGGGGACAAGGATCATCTATACAGCACAGTATGCAAGCCTCGGTCCCCAAAG  
 CCTGTGGCCCTGTGGCTCCTCCATTCTCTCTCCAGTGGTGTGTTGGGCAATGGCCTCTGTGAGCTAG  
 ACCGTTTGTCTCAGGAACCTAATGCCACCCAGTCAACATTACAGATGAAATCATGTCTCAGTTCATC  
 TAGTAAAATGGCTGAAGGGGAAGAGAAGGAGGACCAATCTGAAGACAAGAGCTCACCCACTGTCCCTCCC  
 AGCCCATTCCTGCCCTCAAAGCCTTCAGCCACCTCCGCCACTCAGGAAGTGGATAGACTGATGGCCT  
 CGCTCTGACTTCCGTGTTTCCAGAACCTCTTCCAGCCTCAGGGCCACCTCAGCCTCCAGCAGCGAGCCC  
 CACCCGTGAAGGATGCCCATCTCCACCAGGACAGACTAGCAAAGGCAGTCTGGACACCATGTCTGGCCCTG  
 CTGCAGTCTGACCTCAGCCGTGCTGGTGTCCCCACACAGGCCAAAGGCCTCTGTGGCTCTGCAATAAAC  
 CTATAGCTGGGTGGTTACAGCCCTGGGCAGAGCCTGGCACCCGGAGCACTTCCTTTGACGCGTTGTTCC  
 ACAACCTGGGAGGCAGCAGCTTCTTCGAGAAGGATGGGGCTCCCTTTTGCCCGAGTGTACTTTGAGC  
 GCTTCTCCCCACGATGTGGCTTCTGTAACCAACCCATCCGACACAAAATGGTTACCGCCTTGGGCACCA  
 CTGGCACCCAGAACATTTCTGCTGCGTACGCTGCGGAGAGCCTTTTGAGAGAAGAGGGTTTCCACGAGCGG  
 GAGGGTCTGCTCGTACTGCCGGCGGGACTTCTGCACTGTTGCGCCACGCTGCCAGGGTGCACAGGCC  
 CTATTTTGGATAACTACATCTCGGCACTCAGCGCCTCTGGCACCCAGACTGCTTCGTGTGCAGGGAATG  
 CCTTGCGCCCTTCTCCGGAGGCAGCTTTTGTGACACGAGGGTGCCTTTGTGTGAAAACCATTTCCAT  
 GCTCAGCGTGGTTCGCTGTGTGCCACGTGTGGTCTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229761 representing NM\_001289551  
 Red=Cloning site Green=Tags(s)

MEDLDALLSDLETTTSHMSRLGAPKERPPETLTPPPYPGHQPQTGSGESSGTTGDKDHLYSTVCKPRSPK  
 PVAPVAPPFSSSSGVLGNGLCELDRLQLQELNATQFNITDEIMSQFPSSKMAEGEEKEDQSEDKSSPTVPP  
 SPFPAPSKPSATSATQELDRLMASLSDFRVQNHLPASGPPPPAASPTREGCPSPPGQTSKGLDMLGL  
 LQSDLRRGVPTQAKGLCGSCNKPIAGWLQPWAEPTGRSTSF AAVVPQPWEAAASSRRMGLPFAPSATLS  
 ASPHDVASVTNPSDTKWLPWPWPTGTQNI SAASAAESLLEKRVSTSGRVVVRTAGGTSCSCSPHAARAAKA  
 LFWITTSRHSARSGTQTASCAGNALRPSPEAAFLSTRVALCVKTI SMLS VVRCVPRVVSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001289551

**ORF Size:** 1230 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\_001289551.1, NP\_001276480.1

**RefSeq Size:** 3900 bp

**RefSeq ORF:** 1233 bp

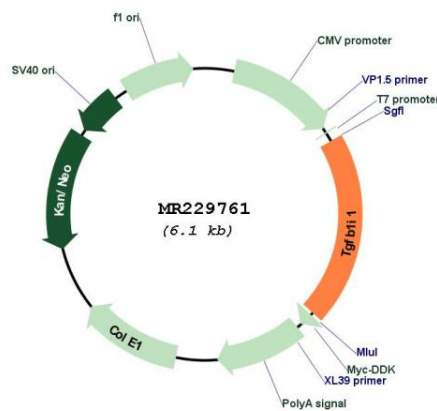
**Locus ID:** 21804

**Cytogenetics:** 7 F3

**MW:** 43.4 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR229761