

Product datasheet for **MC227365**

Tgfb1i1 (NM_001289552) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgfb1i1 (NM_001289552) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tgfb1i1
Synonyms:	ARA55; hic-5; Hic5; TSC-5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227365 representing NM_001289552 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACCAGCCACAGACAGGGTCTGGAGAATCTTCAGGAACCACTGGGGACAAGGATCATCTATACAG
ATGAAATCATGTCTCAGTCCCCTCTAGTAAAAAGGCTGAAGGGGAAGAGAAGGAGGACCAATCTGAAGA
CAAGAGCTCACCCACTGTCCCTCCAGCCATTCCCTGCCCCCTCAAAGCCTTCAGCCACCTCCGCCACT
CAGGAACCTGGATAGACTGATGGCCTCGCTCTGACTTCCGTGTTCAGAACCATCTCCAGCCTCAGGGC
CACCTCAGCCTCCAGCAGCGAGCCCAACCCGTGAAGGATGCCATCTCCACCAGGACAGACTAGCAAAGG
CAGTCTGGACACCATGCTGGCCTGCTGACGTCTGACCTCAGCCGTGTTGGTGTCCCCACACAGGCCAAA
GGCCTCTGTGGCTCCTGCAATAAACCTATAGCTGGCAAGTGGTTACAGCCCTGGGCAGAGCCTGGCACC
CGGAGCACTTCTTTGACGCGTTGTTCCACAACCCTGGGAGGCAGCAGCTTCTTCGAGAAGGATGGGGC
TCCCTTTTGCCCCGAGTGCTACTTTGAGCGCTTCTCCCCAGATGTGGCTTCTGTAACCAACCCATCCGA
CACAAAATGGTTACCGCCTTGGGCACCCACTGGCACCCAGAACATTTCTGCTGCGTCAGCTGCGGAGAGC
CTTTTGGAGAAGAGGGTTCCACGAGCGGGAGGGTCTGCTCGTACTGCCGGCGGGACTTCTGCAGCTGTT
CGCCCCACGCTGCCAGGGCTGCCAAGGCCATTTTGGATAACTACATCTCGGCACCTCAGCGCGCTCTGG
CACCCAGACTGCTTCTGTGTCAGGGAATGCCTTGCGCCCTTCTCCGGAGGCAGCTTTTTTGTGACACGAGG
GTGCGCCTTTGTGTGAAAACATTTCCATGCTCAGCGTGGTTCGCTGTGTGCCACGTGTGGTCTCCAGT
GACCGGCCGCTGTGTGTCGCTCTGGGCCGACGCTTCCATCCAGACCACTTCCCTGCACATTCTGCCTG
CGCCCACTACCAAAGGCTCCTTCCAGGAGCGCCAGCAAGCCTTACTGCCAGCCTTGTCTCTGAAGC
TCTTCGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001289552
Insert Size:	1131 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001289552.1</u> , <u>NP_001276481.1</u>
RefSeq Size:	3761 bp
RefSeq ORF:	1131 bp
Locus ID:	21804
UniProt ID:	<u>Q62219</u>
Cytogenetics:	7 F3
Gene Summary:	<p>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 TGFβ 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]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon in the 5' region, resulting in translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.</p>