

Product datasheet for **MC227550**

Tgfb1i1 (NM_001289551) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgfb1i1 (NM_001289551) 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:	>MC227550 representing NM_001289551 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGACCTGGATGCCCTGCTCTGACCTGGAGACCACCACTTCACACATGTCACGGTTAGGGGCTC
CAAAAGAGCGCCACCAGAGACTCACACCTCCCCACCCTATGGCCACCAGCCACAGACAGGGTCTGG
AGAATCTTCAGGAACCACTGGGGACAAGGATCATCTATACAGCACAGTATGCAAGCCTCGTCCCCAAAG
CCTGTGGCCCTGTGGCTCCTCATTCTCTCTCCAGTGGTGTGTTGGGCAATGGCCTCTGTGAGCTAG
ACCGTTTGCTTCAGGAACCTAATGCCACCCAGTCAACATTACAGATGAAATCATGTCTCAGTTCACATC
TAGTAAAATGGCTGAAGGGGAAGAGAAGGAGGACCAATCTGAAGACAAGAGCTCACCCACTGTCCCTCCC
AGCCCAATCCCTGCCCTCAAAGCCTTCAGCCACCTCCGCCACTCAGGAACTGGATAGACTGATGGCCT
CGCTCTGACTTCCGTGTTCAAGACCTTCCAGCCTCAGGGCCACCTCAGCCTCCAGCAGCGAGCCC
CACCCGTGAAGGATGCCATCTCCACCAGGACAGACTAGCAAAGGCAGTCTGGACACCATGCTGGCCTG
CTGCAGTCTGACCTCAGCCGTGTTGAGCCCTGGGAGAGCCTGGCACCCGGAGCACTTCCTTTGCAGCGTTGTCC
ACAACCTGGGAGGCAGCAGCTTCTTCGAGAAGGATGGGGCTCCCTTTTGCCCGAGTGCTACTTTGAGC
GCTTCTCCCCACGATGTGGCTTCTGTAACCAACCCATCCGACACAAAATGGTTACCGCCTTGGGCACCCA
CTGGCACCCAGAACATTTCTGCTGCGTCAGCTGCGGAGAGCCTTTTGGAGAAGAGGGTTTCCACGAGCGG
GAGGGTCCGTACTGCCGGCGGGACTTCTGCAGCTGTTCCGCCACGCTGCCAGGGCTGCCAAGGCC
CTATTTTGGATAACTACATCTCGGCACTCAGCGCCTCTGGCACCCAGACTGCTTCGTGTGCAGGGAATG
CCTTGCGCCCTTCTCCGGAGGCAGCTTTTGGAGCAGAGGGTCCGCCCTTGTGTGAAAACCATTTCCAT
GCTCAGCGTGGTTCGCTGTGTGCCACGTGGTCTCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001289551
Insert Size:	1233 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:	NM_001289551.1 , NP_001276480.1
RefSeq Size:	3900 bp
RefSeq ORF:	1233 bp
Locus ID:	21804
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 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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.</p>