

Product datasheet for **MR207081**

Tgfb1i1 (NM_009365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgfb1i1 (NM_009365) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR207081 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCACGGTTAGGGGCTCCAAAAGAGCGCCACCAGAGACACTCACACCTCCCCACCCTATGGCCACC
 AGCCACAGACAGGGTCTGGAGAATCTTCAGGAACCACTGGGGACAAGGATCATCTATACAGCACAGTATG
 CAAGCCTCGGTCCCCAAAGCCTGTGGCCCTGTGGCTCCTCCATTCTCCTTCCAGTGGTGTGTTGGGC
 AATGGCCTCTGTGAGCTAGACCGTTTGCTTCAGGAACCTAATGCCACCCAGTTCAACATTACAGATGAAA
 TCATGTCTCAGTCCCATCTAGTAAAAATGGCTGAAGGGGAAGAGAAGGAGGACCAATCTGAAGACAAGAG
 CTCACCCACTGTCCCTCCAGCCATTCCCTGCCCCCTCAAAGCCTTCAGCCACCTCCGCCACTCAGGAA
 CTGGATAGACTGATGGCCTCGCTCTGACTTCCGTGTTTCCAGCATCTCCAGCCTCAGGGCCACCTC
 AGCCTCCAGCAGCGAGCCCCACCGTGAAGGATGCCATCTCCACCAGGACAGACTAGCAAAGGCAGTCT
 GGACACCATGCTGGCCCTGCTGACCTGACCTCAGCCGTGTTGTTGCCACACAGGCCAAAGGCCTC
 TGTGGCTCCTGCAATAAACCTATAGCTGGGCAAGTGGTTACAGCCCTGGGCAGAGCCTGGCACCCGGAGC
 ACTTCCTTTGACGCGTTGTTCCACAACCTGGGAGGCAGCAGCTTCTCGAGAAGGATGGGGCTCCCTT
 TTGCCCGAGTGTACTTTGAGCGCTTCTCCCCACGATGTGGCTTCTGTAACCAACCCATCCGACACAAA
 ATGTTTACCGCTTGGGCACCCACTGGCACCCAGAACAATTTCTGCTGCGTCAGCTGCGGAGAGCCTTTTG
 GAGAAGAGGGTTTCCACGAGCGGGAGGGTCTGCTGACTGCCGGCGGGACTTCTGACAGTGTTCGCCCC
 ACGCTGCCAGGGTGTCCAAGGCCATTTTGGATAACTACATCTCGGCACTCAGCGCGCTCTGGCACCCA
 GACTGCTTCGTGTGCAGGAATGCCTTGGCCCTTCTCCGGAGGCAGCTTTTTTGGACACGAGGGTGC
 CTTTGTGTGAAAACCATTTCCATGCTCAGCGTGGTTCGCTGTGCCACGTGTGGTCTCCAGTGCACCGG
 CCGCTGTGTCCGCTCTGGGCCGACGCTTCCATCCAGACCACTTCCAGCATTCTGCCTGCGCCCA
 CTCACCAAGGCTCCTTCCAGGAGCGCCAGCAAGCCTTACTGCCAGCCTTGCTTCTGAAGCTCTTCG
 GC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207081 protein sequence
 Red=Cloning site Green=Tags(s)

MSRLGAPKERPPETLTTPPPYGHQPQTGSGESSGTTGDKDHLYSTVCKPRSPKPVAVPAPPFSSSSGVLG
 NGLCELDRLLQELNATQFNITDEIMSQFPSSKMAEGEEKEDQSEDKSSPTVPPSPFPAPSKPSATSATQE
 LDRLMASLSDFRVQNHLPASGPPQPPAASPTREGCPSPPGQTSKGS�DTMLGLLQSDLSRRGVPTQAKGL
 CGSCNKPIAGQVVTAALGRAWHPEHFLCSGCSTTLGGSSFFEKDGAPFCPECYFERFSPRCGFNCQPIRHK
 MVTALGTHWHEHFCVSCGEPFGEFGHEREGRPYCRRDFLQLFAPRCQGCQGPILDNYISALSALWHP
 DCFVCRECLAPFSGGSFFEHEGRPLCENHFHAQRGSLCATCGLPVTGRCVSALGRRFHPDHFTCTFLRP
 LTKGSFQERASKPYCQPCFLKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_009365

ORF Size: 1335 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_009365.2](#), [NP_033391.1](#)

RefSeq Size: 3058 bp

RefSeq ORF: 1335 bp

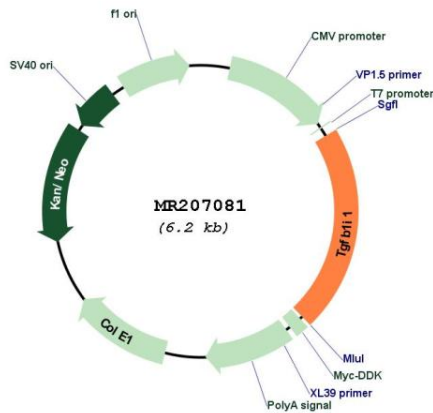
Locus ID: 21804

Cytogenetics: 7 F3

MW: 48.2 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 TGF β 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 MR207081