

Product datasheet for **RR216719**

Tgfb1i1 (NM_001191840) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tgfb1i1 (NM_001191840) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Tgfb1i1 |
| Synonyms: | Ara55; Hic-5 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR216719 representing NM_001191840
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGACCTGGATGCCCTACTCTGACCTGGAGACCACCACTTCACACATGTCACGGTTAGGGGCTC
 CAAAAGAGCGCCACCAGAGACTCACACCTCCCCACCTATGGCCACCAGCCACAGACAGGGTCTGG
 AGAATCTTCAGGAGCCTCTGGGACAAGGATCATCTATACAGCACAGTATGCAAGCCTCGGTCCCAAAG
 TCTGTAGCCCTGTGGCTCCTCCGTTCTCTCTCCAGTGGTGTGTTGGCAATGGACTCTGTGAGCTAG
 ACCGTCTACTTCAGGAACCTAATGCCACCCAGTTCAACATTACAGATGAAATCATGTCTCAGTTCATC
 TAGTAAGATGGCTGAAGGGGAAGAAAGGAGGACCAATCTGAAGACAAGAGCATAAACCCTGTCCCTTC
 AGCACATCCCTGCCCTCAAAGCCTCAGCCACCTCAGCCACTCAGGAGCTAGATAGACTGATGGCAT
 CGCTCTGACTTTCGTGTCCAGAACCATCTCCGGCCTCAGGGCCACCTCAGCCTCCAGCAGTGAAGCC
 CACCCGTGAGGGATGCCATCTCCACCAGGACAGACCAACAAGGGCAGTCTGGACACCATGCTGGGCTG
 CTGCACTGACCTCAGCCGCGGTGTTCCTCAGGCAAGGGCCTCTGTGGCTCCTGCAATAAAC
 CTATTGCTGGGCAAGTGTTACCGCCCTGGGTAGAGCCTGGCATCCGGAGCACTTCTTTGCAGAGGTTG
 TTCCACAACCCTGGGAGGACAGTCTTCTCGAGAAGGATGGGGCTCCCTTTTGCCTGAGTGTACTTT
 GAGCGTCTCCCCACGATGTGGCTTCTGCAACCAACCATCCGACATAAAATGGTCACCGCCTTGGGCA
 CCCACTGGCACCAGAACATTTCTGTGTGTGAGTGGGGGAGCCTTTTGGAGAAGAGGGTTTCCACGA
 GCGGGAGGGCCGCCCTACTGCCGGCGGACTTCTGCAGCTGTTGCCCCGCGTGCAGGGTGCACAA
 GGACCCATTTGGATAACTACATCTCGGCACTCAGCGCGCTCTGGCACCAGACTGCTTCGTGTGCAGGG
 AATGCCCTGCGCCCTTCTCCGGAGGACGTTCTTTGAGCACGAGGGTCCGCCACTGTGTGAAAACCATTT
 CCACGCTCAGCGTGGTTGTTGTGTGCCACGTGTGGCCTCCCTGTGACTGGCCGCTGTGTATCTGCTCTG
 GGCCGCCCTTCCACCAGATCACTTTACCTGCACCTTCTGCCTACGCCACTCACCAAAGGCTCCTTCC
 AGGAGCGTGCCAGCAAGCCTTACTGCCAGCCTTCTTCTGAAGCTCTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216719 representing NM_001191840
 Red=Cloning site Green=Tags(s)

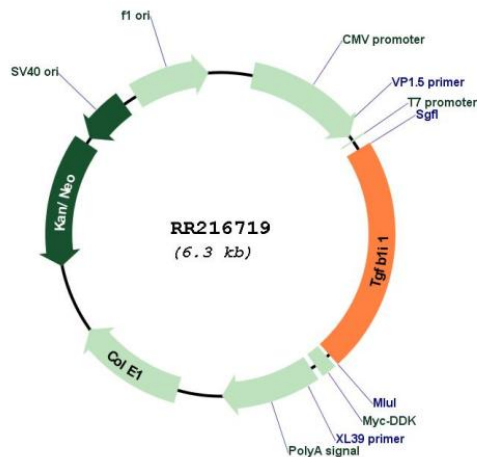
MEDLDALLSDLETTTSHMSRLGAPKERPPETLTPPPYGHQPQTGSGESSGASGDKDHLYSTVCKPRSPK
 SVAPVAPPFSSSSGVLGNGLCELDRLQLLNATQFNITDEIMSQFPSSKMAEGEGKEDQSEDKSITTVPS
 STFPAPSKPSATSATQELDRLMASLSDFRVQNHLPASGPPQPPAVSPTREGCPSPPGQTNKGLDMLGL
 LQSDLRRGVPTQAKGLCGSCNKPIAGQVVTALGRAWHPEHFLCRGCSTTLGGSSFFEKDGAPFCPECYF
 ERFSPRCGFNCQPIRHKMVTALGTHWHPEHFCCVSCGEPFGEEGFHEREGRPYCRRDFLQLFAPRCQGCQ
 GPILDNYISALSALWHPDCFVCRECLAPFSGGSFFEHEGRPLCENHFHAQRGSLCATCGLPVTGRCVSAL
 GRRFHPDHFTCTFCLRPLTKGSFQERASKPYCQPCFLKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001191840

ORF Size: 1383 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_001191840.1](#), [NP_001178769.1](#)

RefSeq Size: 1972 bp

RefSeq ORF: 1386 bp

Locus ID: 84574

UniProt ID: [Q99PD6](#)

Cytogenetics: 1q37

MW: 50.1 kDa

Gene Summary: focal adhesion protein/steroid receptor co-activator; binds to hsp27 and inhibits the ability of hsp27 to provide protection against heat shock [RGD, Feb 2006]