

Product datasheet for **RN217102**

Tgfb1 (NM_053802) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Tgfb1 (NM_053802) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tgfb1 |
| Synonyms: | Big-h3; BIGH3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN217102 representing NM_053802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTCCTCGTGC GGCTGCTGCCCTCGCTCTGGCTCTGTCTCTGGCTTACCGGGACCCTGGCGG
 GCCCGGCCAAGTACCCTATCAGCTGGTCTGCAGCACAGCCGGCTCCGGGGCCGACAGCAGGCCCCAA
 TGTATGTGCTGTGCAGAAGGTCATTGGCACTAACAAAGAAATACTTCACCAACTGCAAGCAGTGGTACCAG
 AGGAAGATCTGCGGCAAGTCGACAGTCATCAGCTATGAGTGTGCCCGGATATGAAAAGGTCCCAGGAG
 AGAAAGGCTGCCCTGCAGCTCTCCGCTCTCCAATCTGTACGAGACCTTGGGAATTGTGGGATCGACCAC
 CACACAGCTGTACACAGATCGCACAGAAAAGCTGAGGCCCTGAGATGGAGGGACCCGGCAGCTTACCATC
 TTTGCCCTAGCAACGAGGCCTGGTCTCTTGCCTGCGGAAGTGTGGACTCCCTGGTGTAGCAATGTCA
 ACATTGAACTGTCAACGCCCTCCGCTACCACATGGTGGACAGACGGGTCTGACAGACGAGCTTAAGCA
 CGGCATGGCTCTACCTCCATGTACCAGAACTCCAACATCCAGATCCATCACTATCCCAATGGGATTGTA
 ACTGTAACTGTGCCCGCTGTGAAAGCTGACCACCATGCGACCAACGGCGTGGTGCATCTCATTGATA
 AGGTCAATTTCCACCGTTACCAACAACATCCAGCAGATCATCGAGATTGAGGACACCTTTGAGACACTTCG
 GGCCCGCTGGCTGCATCAGGACTCAATACCGTGTGGAGGGTGACGGCCAGTTCACACTTTGGCCCCA
 ACCAACGAGGCCTTTGAGAAGATTCTGTGAGACCTTGAACCGGATCCTGGGTGACCCCGAGGCCTGA
 GAGACCTGCTAAACAATCATATCCTGAAGACAGCCATGTGTGCTGAGGCCATTGTGGTGGAAATGGCCAT
 GGAGACCTGGGGGACCACACTGGAGGTGGCTGCAGTGGAGACATGCTCACTATTACGGGAAGGCT
 GTCATCTCCAACAAGACATCCTGGCCACCAACGGTGTATCCACTTATTGATGAGTGTCTATCCCAG
 ATTCAGCCAAGACATTGCTCGAGCTCGCTTCGGAATCTGACGCTCCACAGCCATTGACCTCCTCAGACA
 AGCTGGCCTCAGCACGCATCTCTCTGAAAAGAACAGTTGACCTTCTGGCCCTCTGAATTCTGTGTTT
 AAAGATGGTGTCCCGCATTGACGGCCAAATGAAGACTTTGCTTCTGAACCACATGGTCAAAGGGCAGT
 TGGCCTCCAAATATTTGACTCCGGACAGACACTGGACACACTGGGTGGCAAAAAGCTTCGAGTTTTTGT
 TTATCGAAATAGCCTCTGCATTGAAAACAGCTGCATTGCCGCCATGACAAGAAGGGACGGTATGGGACC
 CTGTTCCACATGGACCGGATGCTGACACCCCTATGGGGACTGTTATGGATGTCTGAAGGGGACAACC
 GTTTTAGCATGCTGGTGGCCGCATCCAGTCTGCAGGCCCTGATGGAGACCCTCAACCGGGAAGGGGTCTA
 CACTGTTTTCGCTCCACGAACGAAGCGTTCGAAGCCATGCCTCCAGAAGAGCTGAACAACTCTTGGA
 AATGCCAAGGAACCTACCAACATCCTGAAGTACCACATTTGGGATGAGATCCTGGTTAGCGGAGGCATTG
 GGCTCTGGTGGCTGAAGTCTCTCAAGGGGACAACTGGAAGTCAAGTCAAGAAACAATGTGGTGTAG
 TGCAATAAGGAACCTGTTGCCGAAACCGACATCATGGCCACAAACGGTGTGGTGTATGCCATCAACACT
 GTTCTGCAACCGCCAGCCAACCGGCCACAAGAACGGGGAGAAGAGTTGGCAGACTCTGCCCTTGAATCT
 TCAAGAAGGCGTCAGCCTATTCCAGGAGTGCCAGAGTTCTATGCGACTTGCCCTGTCTATCAGCGGTT
 ACTAGAGAGGATGAAGCGGAGAGGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053802

Insert Size: 2058 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).

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| 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_053802.1</u> , <u>NP_446254.1</u> |
| RefSeq Size: | 2696 bp |
| RefSeq ORF: | 2058 bp |
| Locus ID: | 116487 |
| Cytogenetics: | 17p14 |
| Gene Summary: | mouse homolog is an extracellular matrix protein; human homolog is associated with hereditary corneal dystrophies [RGD, Feb 2006] |