

Product datasheet for **RN207251**

Tgfbr1 (NM_012775) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgfbr1 (NM_012775) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tgfbr1
Synonyms:	Alk5; Skr4; tbetaR-I; Tgfr-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207251 representing NM_012775
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCGCGTCGGCTGCTTTGCGTCGCTGCTGCTTCTCATCGTGTGGTGGCGCGCGCAGCTGC
 TCCCGGGGCGAAGGCATTACAGTGTTCCTGCCACCTCTGTACAAAGGACAATTTACTTGTGAGACAGA
 TGGTCTCTGCTTTGTCTCAGTCACCGAGACCACAGACAAAGTTATACACAATAGCATGTGTATAGCTGAA
 ATCGACCTAATCCCGAGACAGGCCATTTGTTTGTGCACCATCTTCAAAAAAGGGCAGTTACGTATT
 GCTGCAATCAGGATCACTGCAATAAAATAGAACTCCCACTACAGAAAAGCAGTCAGCTGGCCTCGGTCC
 TGTGGAGCTGGCAGCTGTCATTGCTGGTCCAGTCTGCTTCGTCTGCATTGCATTATGCTGATGGTCTAT
 ATCTGCCATAACCGCACTGTCATTACCCACCGCTACCAATGAAGAGGATCCCTCACTAGATCGCCCTT
 TCATTTAGAGGGCACCACCTTAAAAGATTTAATTTATGATATGACAACATCAGGGTCTGGATCAGTTT
 ACCACTGCTTGTCAAAGAACAATTGCAAGGACCATTGTGCTACAAGAAAGCATCGGCAAAGGTCGGTTT
 GGAGAAGTTTGGCGAGGCAAATGGCGGGGAGAAGAAGTTGCCGTGAAGATATTCTTCTAGAGAAGAAC
 GTTCATGGTCCGAGAGGCGAGATTTATCAGACTGTAATGTTACGCCATGAAAAATCCTGGGGTTTAT
 AGCAGCAGACAACAAAGACAATGGTACATGGACTCAGCTGTGGTGGTGTGCGATTATCATGAGCATGGA
 TCCCTTTTCGATTACTTGAATAGATACACTGTTACTGTGGAAGGAATGATCAAACCTGCTCTGTCCACGG
 CAAGTGGTCTTGGCCATCTTACATGGAGATTGTTGGTACCCAAGGAAAACAGCTATTGCCATAGAGA
 TTTGAAATCAAAGAATATCTTGGTGAAGAAAAATGGAACCTGTTGATTGCAGATTTGGGACTTGTGTG
 AGACATGATTCTGCCACAGATACAATTGATATTGCTCAAACCACAGAGTAGGCCTAAAAGGTATATGG
 CCCCTGAAGTTCTAGATGATCCATAAATATGAAACATTTTGAATCCTTCAAACGTGCTGACATCTATGC
 AATGGGCTTAGTATTCTGGGAAATCGCTCGACGCTGTTCCATTGGCGGAATCCACGAAGACTACCAGTTG
 CCTTACTATGATCTTGTACCTTCTGATCCATCCGTTGAAGAAATGAGAAAAGTAGTTTGTGAACAGAAGT
 TAAGGCCAAATATCCCAACAGATGGCAGAGCTGTGAGGCCTTGAGAGTATGGCCAAAATATGAGAGA
 ATGTTGGTATGCCAATGGAGCAGCTAGGCTGACAGCTTTGCGAATTAATAAACATTGTACAGCTCAGC
 CAACAGGAAGGCATCAAATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012775

Insert Size: 1494 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).

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_012775.2](#), [NP_036907.2](#)

RefSeq Size: 5724 bp

RefSeq ORF: 1494 bp

Locus ID: 29591

Cytogenetics: 5q22

Gene Summary: forms a heteromeric receptor complex with TGF-beta type II receptor that binds TGF-beta and mediates TGF-beta signalling [RGD, Feb 2006]