

Product datasheet for MC200640

Tgfb1 (BC013738) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tgfb1 (BC013738) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tgfb1
Synonyms: TGF-beta1; Tgfb; Tgfb-1; TGFbeta1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC013738
GGACCCTCTCCCCGAGAGGCAGATCTCCCTCGGACCTGCTGGCAGTAGCTCCCCTATTTAAGAACAC
CCACTTTTGGATCTCAGAGAGCGCTCATCTCGATTTTTACCTGGTGGTATACTGAGACACCTTGGTGTC
AGAGCCTCACCGGACTCCTGCTGCTTTTCCCTCAACCTCAAATTATTAGACTATCACCTACCTTTTC
CTTGGGAGACCCACCCACAAGCCTGCAGGGCGGGGCTCCGCATCCCACCTTTGCCGAGGGTTCCC
GCTCTCGAAGTGCCGTGGGGCGCCGCTCCCCATGCCGCCCTCGGGGCTGCGGCTACTGCCGTTCTG
CTCCCACTCCCGTGGCTTCTAGTGCTGACGCCCGGAGGCCAGCCGCGGGACTCTCCACCTGCAAGACCA
TCGACATGGAGCTGGTGAACCGAAGCGCATCGAAGCCATCCGTGGCCAGATCCTGTCCAACTAAGGCT
CGCCAGTCCCCAAGCCAGGGGGAGGTACCGCCCGCCGCTGCCGAGGCGGTGCTCGTTTGTACAAC
AGCACCCGCGACCGGGTGGCAGGCGAGAGCGCCGACCCAGAGCCGAGCCGAAGCGGACTACTATGCTA
AAGAGGTCACCCGCGTGAATGGTGGACCGCAACAACGCCATCTATGAGAAAACCAAGACATCTCACA
CAGTATATATATGTTCTTCAATACGTGACACATTCGGGAAGCAGTGCCCGAACCCCAATTGCTGTCCCGT
GCAGAGCTGCGCTTGACAGAGATTAATAAAGTGTGGAGCAACATGTGGAACCTACCAGAAATATAGCA
ACAATTCCTGGCGTTACCTTGGTAACCGGCTGCTGACCCCACTGATACGCCTGAGTGGCTGCTTTTGA
CGTCACTGGAGTTGTACGGCAGTGGCTGAACCAAGGAGACGGAATACAGGGCTTTCGATTAGCGCTCAC
TGCTCTTGTGACAGCAAAGATAACAACTCCACGTGGAATCAACGGGATCAGCCCCAAACGTGGGGCG
ACCTGGGACCATCCATGACATGAACCGGCCCTTCTGCTCCTCATGGCCACCCCTGGAAGGGCCCA
GCACCTGCACAGCTCACGGCACCAGGAGCCCTGGATACCAACTATTGCTTCCAGTCCACAGAGAAGAAC
TGCTGTGTCGGCAGCTGTACATTGACTTTAGGAAGGACCTGGGTTGGAAGTGGATCCACGAGCCCAAGG
GCTACCATGCCAACTTCTGTCTGGGACCTGCCCTATATTTGGAGCCTGGACACACAGTACAGCAAGGT
CCTTGCCCTCTACAACCAACACAACCCGGGCGCTTCGGCGTCACCGTGTGCGTGCCGAGGCTTTGGAG
CCACTGCCATCGTCTACTACGTGGGTGCAAGCCCAAGGTGGAGCAGTTGTCCAACATGATTGTGCGCT
CCTGCAAGTGCAGCTGAAGCCCCGCCCGCCCGCCCTCCCGCAGGCCCCGCCCCGCCCGCCCGC
CCGCAGCGCCCGGGGCTGATTTAAGGACACCTGCACCCCCCTCAAGCCACCTGGGGGGCCATTAA
GGTGACAGAGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	BC013738
Insert Size:	1173 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:	<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:	BC013738 , AAH13738
RefSeq Size:	1641 bp
RefSeq ORF:	1173 bp
Locus ID:	21803
Cytogenetics:	7 13.98 cM
Gene Summary:	<p>This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. Mice lacking a functional copy of this gene develop severe multifocal inflammatory disease, yolk sac defects and colon cancer. [provided by RefSeq, Aug 2016]</p>