

Product datasheet for **MC205187**

Gdf10 (NM_145741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf10 (NM_145741) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdf10
Synonyms:	Bmp3; Bmp3b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058358
 CGAACTCGCCAGTCCCAGCGCCGCTCCGTGGGCTGCAAAGTTTGCAGCGCAGGCCGTCAAGGGAGCGCG
 CCGGCGCGGGGCTCGGCTGAGCTCCACGCGGCTCAGGATAGCCGTGGTTCGCTGGCCCGGGCGCGGATGC
 TCGGGCACAGCGCTGCTACAGAGAGCCAATCCCGATACCTCGAGTGGGGTATCCGGGCTGTCCGAGTC
 CCACAGGGACACTCCAGCCGCGGACGAGGTGCACAGCCAACACTGAGCCCTCCTTGCTGTCTCCTGGG
 CTCAGACCCTTACCACCGTTACTCAGCCATGGCTCCAGTCTGCTCGGATCAGCTTGGGGTCCCAGCT
 GCTGCCCATGGTGCCGCTGCTCCTGCTGCTGCGGGGCGCAGGCTGCGGCCACAGGGGCCCTCATGGTCC
 TCATTGCCCTCGGCAGCTGCCGGTCTGCAGGGGACAGGGACTCCAGCAGTCAACCCGGGACGCAGCAG
 CCGCTCTGGGCCAGGCGCCAGGACATGGTTCGCTATCCACATGCTCAGGCTCTATGAGAAGTACAACCG
 AAGAGGTGCTCCACCGGAGGAGGCAACACCGTCCGAAGCTTCCGTGCCCGGCTGAAATGATCGACCAA
 AAGCCTGTGATTTCTTCAACTTGACTTCCATGCAAGACTCAGAAATGATCCTCACAGCCGCTTCCACT
 TCTACTCAGAACCTCCACGGTGGCCCCGGGCTCGTGAGGTATTCTGCAAGCCCCGAGTAAGAACGCATC
 CTGCCGCTCCTGACCCAGGGTGCCTGCACGCTTGCACCTAATCTTCCGCAGTCTTCCAGAACACC
 GCCACTCAGGGGCTGCTCCGCGGGCCATGGCCCTGACGCTCCACCACGTGGCCTGTGGCAGGCCAAGG
 ACATCTCCTCAATCATCAAGGCTGCCCGAAGGGATGGAGAGCTGCTTCTCTGCTCAGTGGATACTGG
 GGAGAAGGACCCCGAGTGCCACGGCCAGTTCACACATGCCCTATATCCTTGTCTACGCCAATGACCTG
 GCCATCTCCGAACCCAACAGTGTAGCAGTGTGCTACAGAGATACGACCCATTTCCAGCTGGAGACTTTG
 AGCCTGGAGCAGCCCCAACAGCTCAGCTGATCCCCGCTGCGCAGGGCGGCTCAGGTGTCAAACCCCT
 GCAAGACAATGAACTGCCGGGGTGGATGAAAGACCAGCGCTGCCCTGCATGCCAGAATTTCCACAAG
 CACGAGTTCTGGTCCAGTCTTTCCGGGCACTGAAACCCGACAGGGGCGCAAAGACCGCAAGAAGAAGG
 ACCAGGACACATTACCGCCCTCCTCTCAGGTGCTGGACTTTGACGAGAAGACGATGCAGAAAGCCAG
 GAGGCGCAGTGGGATGAGCCCCGGTCTGCTCCAGGAGGTACCTGAAGTGGATTTTGCAGACATCGGG
 TGAATGAATGGATCATCTCTCCAAATCCTTTGACGCTACTGTGCTGGGGCTGCGAGTCCCA
 TGCCCAAGATTGCGCCCATCCAACCATGCCACCATCCAGAGCATCGTACAGAGCTGTGGGCTATTGCC
 TGGCATCCAGAGCCATGCTGTGTTCCAGACAAGATGAACTCCCTTGGAGTCTTTTCTGGATGAAAT
 CGGAATGCGGTTCTGAAGGTGTACCCCAATATGTCGTAGAGACCTGTGCTGTCGGTAAGATGGCTTCA
 AGATAGAAGACAGACCTGCTTATCCCTGCCCTGCAGAGTGGCAATCTTGGAGCCAGGGCTTACTCGGG
 GAGGTTCCAGGTGCTAGACAGAGCTTACAGGCAGCCCTGCTGGGACCAAGAAAGATCTGCCACCACATC
 GCAATTTCTCAGTCTTCCGTGCTGGTGGTAGCTCTGTAAGACGTGTTGAGTTCCTGGAAGAAATCTGG
 AATTAAGTGTGGTCTGCAATTTGCCCATCATCCCTGCCACACTTTTCAAGGCCTAGAAAATAACGTGTGT
 CCTCAAATGTCAACTCCAGGCATTTGCTCTCAAACCTAGAAAGACTATGCAAATCTTGGGGTACTCC
 CCCCCCATGGCAGTTTAAATGCTGTTTTAAAACCTCAGGCTGCATTCTAGAAACAGGGCTAACCCTAT
 GGCACGAGTGAGTATTTTCTTACGTTTCACTACACGTGCTTTTATACATGCAGTATGCACATGTAATC
 ACGGTTGATTTCTTTTAAATATATGATTTCTATTTCAAAGCAAAACGGAGAGAGTGCATCCCATCCC
 CTGCAGAGGTAATAATGCAAGTTAGGTGTGGGTTGTCTAAGCATGTGTATGGAAATAATACATACAGTAA
 TATGCTGGAATACTAAAAAGTAACCAAGATTTTATATTTTTGTAATTAATACTTTGTATACTGTAGATT
 GTGAGTGTCTGTGTTTTATGGAAGCTAATAAATTAAGGTGCGGAGGTATCTGGAAAAAAAAAAAAAA
 AA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_145741
- Insert Size:** 1431 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: [BC058358](#), [AAH58358](#)

RefSeq Size: 2613 bp

RefSeq ORF: 1431 bp

Locus ID: 14560

UniProt ID: [P97737](#)

Cytogenetics: 14 20.8 cM

Gene Summary: 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 each subunit of the disulfide-linked homodimer. This protein has been shown to promote neural repair after stroke and may act as a tumor suppressor. [provided by RefSeq, Jul 2016]