

Product datasheet for **MC216201**

Gdf6 (NM_013526) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf6 (NM_013526) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdf6
Synonyms:	BMP-13; BMP1; BMP13; GDF16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216201 representing NM_013526
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACTCCTAGGGTCTTCTCTGGGCGATCTTCTCATTAGCTTCTCTGGGATTTGCCGGTTTCC
 AGCAGGCTTCCATCTCCTCGTCCTCCTCCTCCACCGAATTGGACTCCACAAAGACGTGGGGAACCG
 CAAAGAAGGGAAGATGCAGCGAACTCCACAAGAGAGTGCCGAGGGCCGGACGCCCCCGGAGCACGGGCTG
 CGGCAGAAGGACCTCCGGCGGGCCGGCCCGGACAACATCAGGGGCAGGAGCCGCCGGGACGGGGCTGC
 GCGTGGTGCCTCACGAGTACATGCTGTCAATCTACAAGACTTACTCCATTGCCGAGAAGCTGGGCATCAA
 TGCCAGCTTTTTCCAGTCTTCCAAGTCAGCTAATACGATCACTAGCTTTGTAGACAGAGGACTGGACGAT
 CTCTCGCACACTCTCTCCGGAGACAGAAGTATTTGTTTGATGTGTCCACTCTCAGACAAAGAAGAGC
 TGGTGGGCGCAGAGCTAAGGCTTTATCGCCAGGCGCCCCAACGCCCTGGGGCTACCGGCCGACCCTG
 GCACTTGACGCTTCTCCCTTGTATCCCCATTGCTACTGGACGCCAGGACCCTGGATCCTCAGGGACCA
 ACCCAGGCGGGCTGGGAAGTCTTCGACGTGTGGCAGGGCTGCGCCCTCAGCCTTGAAGCAGCTGTGCC
 TGGAGTTGCGGGCAGCCTGGGGTGGAGTGGACGCCGGGATACGGGGCGCGCGGAGGGGTCCCCAGCA
 GCCACCGCCTCTGGACCTGCGGAGTCTGGGCTTCGGTCCGAGGGTGGAGCCGCCAGGAGCGGCCCTG
 CTTGTAGTGTACCAGATCGCAGCGCAAGAACCTGTTCACTGAGATGCATGAGCAGCTGGGCTCTGCAG
 AGGCTGCGGGAGCCGAGGGGTGATGGCCAGCGCGTCCGGCTCCCCAGACGCCGGGTCTTGGCTGCCCTC
 GCCCGGCCCGCGGGCGGACGCACCGCCTTCGCCAGCCGTCACGGCAAGCGACATGGCAAGAAGTCCAGG
 CTGCGCTGCAGCAGAAAGCCTCTGCACGTGAATTTAAGGAGTTAGGCTGGGACGACTGGATTATCGCGC
 CCCTAGAGTACGAGGCCATCACTGCGAGGGCGTGTGCGACTTTCGCTGCGCTCGCACCTTGAGCCAC
 TAACCATGCCATCATTACAGACGCTGATGAACCTCATGGACCCGGGCTCCACCCGCTAGCTGCTGCGTT
 CCCACAAACTGACTCCATTAGCATCCTGTACATCGACGCGGGCAATAATGTAGTCTACAAGCAGTATG
 AGGACATGGTGGTGGAGTCTGCGGCTGTAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013526

Insert Size: 1365 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_013526.1](#), [NP_038554.1](#)

RefSeq Size: 3532 bp

RefSeq ORF: 1365 bp

Locus ID: 242316

UniProt ID: [P43028](#)

Cytogenetics: 4 A1

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 is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mice lacking a functional copy of this gene exhibit joint and skeletal defects. [provided by RefSeq, Sep 2016]