

Product datasheet for **RN213437**

Gdf6 (NM_001013038) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf6 (NM_001013038) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gdf6
Synonyms:	BMP-13; gdf16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213437 representing NM_001013038
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACTCCTAGGGTCTTCTCTGGGCGATCTTCTCATCAGCTTCTCTGGGATTTGCCGGTTTCC
 AGCAGGCTTCCATCTCCTCGTCCTCCTCCACCGAATTGGACTCCACCAAGGACGTGGAGAACCGCAAGGG
 AGGGAAGATGCAGCGGACTCCCCAAGAGAGTGCCGAGGGCCGGACGCCAAGGAGCACCGCCGCGGCCG
 AATGAGCTCAGCGGCGACTGCCGGACAATCTCTGGGCGAGAGCCCGGGCAGGGGGCCGCGGTGG
 TGCCTCACGAGTACATGCTGTCAATCTACAGGACTTACTCCATTGCCGAGAAGCTGGGCATCAATGCCAG
 CTTTTTCCAGTCTTCCAAGTCAGCTAATACGATCACTAGCTTTGTAGACAGAGGACTGGACGATCTCTCG
 CACACTCTCTCCGGAGACAGAAGTATTTGTTGATGTGTCCACGCTCTCAGACAAGAAGAGCTGGTGG
 GCGCAGAGCTGAGGCTTATCGCCAGGCGCCCCAACGCCCTGGGGGCCACAACCCGACCGCTGCATTT
 GCAGCTTCCCCTGTTTGTCCCATTGTTACTGGACTCTAGGACCTGGATCCTCAGGGGCCAACAGAA
 GCTGGCTGGGAAGTTTTGACGCTGTGGCAGTCTGCGCCCTCAGCCGTGGAAGCAGCTGTGCTTGGAGC
 TTCGGGAGTCTGGGGTGAAGTGGACGCCAGGGATTTCAGGAGCGCGCCGAGGGTCCCCAACAGTCACC
 GCCCTGGACCTGCGGAGTCTGGGCTTCGGCCGGAGGGTTCGGCCGCCAGGAGCGCGCCCTGCTTGTCT
 GTGTTACCAGATCGCAGCGCAAGAACCTGTTCACTGAGATGCATGAGCAGCTGGGCTCTGCAGAGGCTG
 CCGGAGCCGAGGGGTGATGGCCAGCGCCGTTCGGGCGCCCGAGACGCCGGTCTTGGCTGCCCTCGCCCG
 CCGCCGGCGGCGACGCCCGCCCTCAGCAGCCGTACGGCAAGCGACACGGCAAGAAGTCCAGGCTGCGC
 TGCAGCAGAAAACCTCTGCACGTGAATTTAAGGAGTTAGGCTGGGACGATTGGATTATCGCGCCCTAG
 AGTACGAGGCCTATCACTGCGAGGGCGTGTGCGACTTTCCGCTGCGCTCGCACCTGGAGCCCAACCA
 TGCCATCATCAAACGCTGATGAATCCATGGACCCGGGCTCCACCCACCCAGCTGCTGTGTTCCACC
 AAATTGACTCCCATCAGCATCTGTACATCGATGCGGGCAATAATGTGGTCTACAAGCAGTACGAGGACA
 TGGTGGTGGAGTCTGTGGTTGTAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1795_h04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001013038

Insert Size: 1359 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001013038.1</u> , <u>NP_001013056.1</u>
RefSeq Size:	1576 bp
RefSeq ORF:	1359 bp
Locus ID:	252834
UniProt ID:	<u>Q6HA10</u>
Cytogenetics:	5q13
Gene Summary:	member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily; regulates cell growth and differentiation; involved with tendon and ligament formation [RGD, Feb 2006]