

Product datasheet for **RN216699**

Gdf7 (NM_001170350) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gdf7 (NM_001170350) Rat Untagged Clone
Tag: Tag Free
Symbol: Gdf7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216699 representing NM_001170350
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTGAGCGCTGCCGCCGCTGTGTCTCTGGCTGCTGAGCGCTTGCCGTCCCGCGACGGGCTGG
AAGCTGCCGCGGTGCTCCGAGCGCGGGAGCAGGACCAGCCTGGAGCCCCGGGGCGCGCGCGGGCG
GACCTCGCCCCAGCTCCAGGCCCTTCAGCTCTCCAGGCCGCTGCGGTTCCCGGTCCCGCGCTGTGCGC
CGCGCCGCGGGCTCCGGCTTCAGGAACGGCTCGGTGGTGCCACACCACTTCATGATGTCGCTTTACCGGA
GCCTGGCGGGGAGGGCTCCTGCCCGGCAACTCAGGGCACGGCGCGTGGACACGATCACCGGCTTCAC
AGACCAAGCAACTCAAGGCCAGAGCTTCTATTTCGACGTATCCAGCCTCTCGACTCCGACGAGGTGGTG
AATGCCGAGCTGCGCGTGTGCGCCGAGGTCTCCGGAGCCAGACAGGGACAGTGCAGCCCTCCCTCCGC
TGCTGCTGCTGTCCAGTGCCTGGACGAGGCGGCGCACAGCTCACTTGCTGCACTCGCGGGCCGCGAGCC
CCTAGACAGCGCGCTGGGAAGCGTTCGACGTGACGGACCGGTGCAGAGTACCAGCCGCTGGCCCGCG
ACCTCCCAGTTCGCTGGTGTGCTGCGCGCGGTGACGGCGCCGAGAGCAGCCGCTGGCCCTGAGAA
GACTGGGCTTCGGCTGGCTGGCGGTGGCGACGGCGCGGCACGGCAGCCGAGGAGCGCGCTGTTGGT
GATCTCCTCCCGCACGCACAGGAAAGAGAGTCTGTTCCGGGAGATACCGCCAGCCCGCGCTCTCCGG
GCCCGCGCAGAGCTGCCACCAGATCCAGGACTAGGCGCTGGATCTCGGAAAGCCACCCCGGGCGGTCCGA
GGCGGCGACGGACCGCGCTGGCTGGGACTCGGGGAGCGCAGGGAAGCGGTGGCGGCGGTGGGGCGGTGG
CGCGGGCGGGCGGGCGGGTGGCGCAGGCAGGGGCCACGGGCGCAGAGGCAGGAGCCGCTGCAGTCCG
AAGCCACTGCATGTGGACTTTAAGGAGCTGGGCTGGGACGACTGGATCATCGGCCATTAGACTACGAGG
CATAACCTGCGAGGGCGTTTGCACCTTCTCTGCGCTCGCACCTGGAGCCTACCAACCACGCCATCAT
CCAGACGCTGCTCACTCCATGGCGCCGGATGCGGCGCCAGCCTCCTGCTGCGTGCCTGCCACGCTCAGC
CCCATCAGCATCTCTACATCGACGCCCAACAACGTGGTCTACAAGCAGTACGAGGACATGGTGGTAG
AGGCCTGCGGCTGCAGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

| | |
|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001170350 |
| Insert Size: | 1350 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001170350.1</u> , <u>NP_001163821.1</u> |
| RefSeq Size: | 1660 bp |
| RefSeq ORF: | 1350 bp |
| Locus ID: | 252833 |
| Cytogenetics: | 6q14 |
| 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] |