

## Product datasheet for **MC208538**

### **Gdf3 (NM\_008108) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf3 (NM_008108) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdf3
Synonyms:	C78318; ecat; ecat9; Gdf-3; Vg; Vgr; Vgr-2; Vgr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208538 representing NM_008108 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCTTATCAACGGCTTCTGGCGCTTGGCTTCTTCTGTTAACCTGCCCTGGGGCCAGACATCCG  
AGTTTCAAGACTCTGACCTTTTGCAGTTTCTGGGATTAGAGAAAGCGCTTCACCTCACAGGTTCCAACC  
TGTGCCTCGCTCTTAAGGAAAATCATCCGGGCTCGAGAAGCCGCTGCAGCCAGTGGGGCTCGCAGGAC  
TTATGCTACGTGAAGGAGCTGGGTGTTCTGGGAACCTGCTTCAGCTTCTCCAGACCAGGGTTTTTCC  
TTAATACACAGAAACCTTCCAAGATGGCTCCTGTCTCCAGAAGTCTCTATTTAACTTGTCTGCCAT  
CAAAGAAAAGGCAAAGTTGACCATGGCCAGCTGACTCTAGACTTGGGGCCAGGTCTACTATAACCTG  
CGACCAGAGCTGGTGGTTGCTCTGTCTGTGTTTCAAGACCGGGCGTGTGGGGGCGATCCCAACCTAAGG  
TGGGCAGATTGCTTTTTCTGCGGTCTGTCCCTGGGCTCAAGGTCAGCTCCAGTTCAACCTGCAGGGTGC  
GCTTAAGGATTGGAGCAGCAACCGACTGAAGAATTTGGACTTACACTTAGAGATTTTGGTCAAAGAGGAC  
AGATACTCCAGGGTAACTGTCCAGCCCGAGAACCCTGTGACCCGCTGCTCCGCTCTACATGCCTCGC  
TGCTGGTGGTAACCCTCAATCCTAAACTGTCTCCTTCTCCAGAAAAGGAGGGCGGCCATCTCTGT  
CCCCAAGGGTTTCTGTAGAACTTCTGCCACCGTCATCAGCTGTTCACTCAACTCCAGGACCTGGGTTGG  
CACAAGTGGGTCATCGCCCTAAGGGTTCATGGCAAATTACTGTCATGGAGAGTGGCCCTTCTCAATGA  
CCACGTATTTAAATAGTTCCAATTATGCTTTTCATGCAGGCTCTGATGCATATGGCTGACCCCAAGGTCCC  
CAAGGCTGTCTGTGTCACCAAGCTCTCGCCATCTCCATGCTCTATCAGGATAGTGATAAAGACGTC  
ATTCTCCGACATTATGAAGACATGGTAGTCGATGAGTGTGGGTGTGGGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1875\\_g11.zip](https://cdn.origene.com/chromatograms/ja1875_g11.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008108
<b>Insert Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC101963</a> , <a href="#">AAI01964</a>
<b>RefSeq Size:</b>	1151 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	14562
<b>UniProt ID:</b>	<a href="#">Q07104</a>
<b>Cytogenetics:</b>	6 57.7 cM
<b>Gene Summary:</b>	<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 each subunit of the disulfide-linked homodimer. This protein is important in embryogenesis and likely plays a role ocular and skeletal development. Mice lacking a functional copy of this gene exhibit defects in early embryonic development resulting in embryonic lethality. [provided by RefSeq, Aug 2016]</p>