

Product datasheet for **MC204766**

Gdf9 (NM_008110) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf9 (NM_008110) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdf9
Synonyms:	Gdf-9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC052667

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AAGAGGTAATCCGCACGAGGAGATGCGTTCCTTCTTAGTCTCCCAAGTCATGGCACTTCCCAGCAACT
CCTGTTGGGGTTTGGCTGCTTTGCCTGGTTGTGTTTTCTTAGTACCTTAGCTCTCAGGCTTCTACTGAA
GAATCCCAGAGTGGAGCCAGTGAATAATGTGGAGTCTGAGGCAGACCCCTGGTCCTTGCTGCTGCCTGTAG
ATGGGACTGACAGGTCTGGCCTCTTGCCCCCTCTTAAAGTTCTATCTGATAGCGAGGTGAGACCCC
TAAGCTGCAGCCTGACTCCAGAGCACTCTACTACATGAAAAAGCTCTATAAGACGTATGCTACCAAAGAG
GGGTTTCCCAAACCCAGCAGAAGTCACCTCTACAATACCGTCCGGCTCTTCAGTCCCTGTGCCAGCAAG
AGCAGGCATCCAGCAACCAGGTGACAGGACCGTCCCGATGGTGGACCTGCTGTTAACCTGGACCGGGT
GACTGCCATGGAACACTTGTCAAATCGGTCTTGCTATACTCTGAACAACCTTGCTCTTCTCTCTCC
ACTGTGACCTGTATGTGTGACCTTGTGGTAAAGGAGGCCATGTCTTGGCAGGGCACCCCAAGAGCAC
CGTACTCATTACCCTGAAGAAACACAGATGGATTGAGATTGATGTGACCTCCCTCCTTCAGCCCCTAGT
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CAAAGAGTACGAAGACATGATAGCTACGAGGTGCACCTGTGTTAGCATGGGGGCCACTTCAACAAGCCT
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CTCCCCACGAGTGTAGTTTTAGTGGACAGATTTGTTAGCATAAGTCTCGAGTAGAATGTAGCTGTGAAC
ATGTCAGAGTGTGTGGTTTTATGTGACGAAGAATAAAGTGTGATGGCATAAAATAAAAAAAAAAAAAA AA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_008110
Insert Size:	1326 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:	<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:	BC052667 , AAH52667
RefSeq Size:	1752 bp
RefSeq ORF:	1326 bp
Locus ID:	14566
UniProt ID:	Q07105
Cytogenetics:	11 31.94 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 regulates ovarian function. Female mice that are homozygous null for this gene are sterile with impaired folliculogenesis. [provided by RefSeq, Jul 2016]