

Product datasheet for **MR207036**

Gdf9 (NM_008110) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf9 (NM_008110) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gdf9
Synonyms:	Gdf-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207036 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACTTCCCAGCACTTCTGTTGGGGTTTCTGCTTTGCCTGGTTGTGTTTTCTTAGTAGCCTTA
 GCTCTCAGGCTTCTACTGAAGAATCCCAGAGTGGAGCCAGTAAAATGTGGAGTCTGAGGCAGACCCTG
 GTCCTTGCTGCTGCCTGTAGATGGGACTGACAGGTCTGGCCTCTTGCCCCCTCTTTAAGGTTCTATCT
 GATAGGCGAGGTGAGACCCCTAAGTGCAGCCTGACTCCAGAGCACTCTACTACATGAAAAAGCTTATA
 AGACGTATGCTACCAAAGAGGGGTTCCCAAACCCAGCAGAAAGTCACTTACAATACCGTCCGGCTCTT
 CAGTCCCTGTGCCAGCAAGAGCAGGCATCCAGCAACCAGGTGACAGGACCGCTGCCGATGGTGGACCTG
 CTGTTTAACTGGACCGGTGACTGCCATGGAACACTTGTCAAATCGGTCTTGCTATACACTCTGAACA
 ACTCTGCCTCTTCTCCTCCACTGTGACCTGTATGTGTGACCTTGTGGTAAAGGAGGCCATGTCTTCTGG
 CAGGGCACCCCAAGAGCACCGTACTCATTACCCTGAAGAAACACAGATGGATTGAGATTGATGTGACC
 TCCTCCTTCAGCCCTAGTGACCTCCAGCGAGAGGAGCATTACCTGTCTGTCAATTTTACATGCACAA
 AAGACCAGGTGCCAGAGGACGGAGTGTAGCATGCCTCTCTCAGTGCCTCCTTCCCTCATCTTGTATCT
 CAACGACACAAGCACCCAGGCCTACCACTCTTGGCAGTCTCTTACGTCCACCTGGAGGCCTTTACAGCAT
 CCCGGCCAGGCCGGTGTGGCTGCCCGTCCCGTGAAGAGGAAGCTATTGAGGTGGAAGATCTCCCCGGC
 GCCGTGAGGGCAGAAAGCCATCCGCTCCGAAGCGAAGGGGCCACTTCTTACAGCATCCTCAACCTCAG
 CGAATACTTCAAACAGTTTCTTTCCCCAAAACGAGTGTGAACCTCATGACTTCAGACTGAGTTTTAGT
 CAGCTCAAATGGGACAACTGGATCGTGGCCCCGACAGGTACAACCTAGGTACTGTAAGGGGACTGTC
 CTAGGGCGGTGAGGCATCGGTACGGCTCTCCTGTGCACACCATGGTCCAGAATATAATCTATGAGAAGCT
 GGACCCTTCAGTGCCAAGGCCTTCGTGTGTGCCGGCAAGTACAGCCCCCTGAGTGTGTTGACCATTGAA
 CCCGACGGCTCCATCGCTTACAAAGAGTACGAAGACATGATAGCTACGAGGTGCACCTGTCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207036 protein sequence
 Red=Cloning site Green=Tags(s)

MALPSNFLLGVCCFAWLCFLSSLSSQASTEESQSGASENVESEADPWSLLL PVDGTD RSGLLPPLFKVLS
 DRRGETPKLQPDSRALYYMKLYKTYATKEGVKPSRSHLYNTVRLFSPCAQQEQASSNQVTGPLPMVDL
 LFNLDRTAMEHLLKSVLLYTLNNSASSSTVTCMCDLVVKEAMSSGRAPPRAPYSFTLKKHRWIEIDVT
 SLLQPLVTSSERSIHLVNFTCTKDQVPEDGVFSMPLSVPPSLILYLNDTSTQAYHSWQSLQSTWRPLQH
 PGQAGVAARPVKEEAEIEVERSPRRRRGQKAI RSEAKGPLLTASFNLSEYFKQFLFPQNECELHDFRLSFS
 QLKWDNWIIVAPHRYNPRYCKGDCPRAVRHRYGSPVHTMVQNIIEKLDPSVPRPSCVPKYSPLSVLTIE
 PDGSIAYKEYEDMIATRCTCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

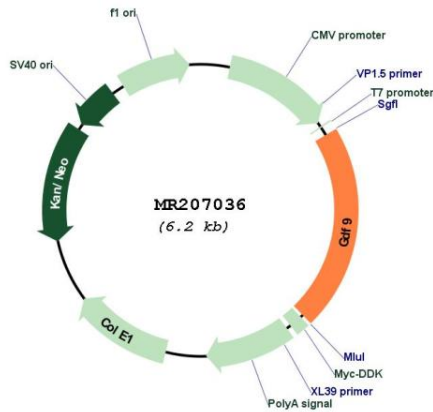
Restriction Sites:

SgfI-MluI

MW: 49.6 kDa

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]

Product images:



Circular map for MR207036