

Product datasheet for **RR205293**

Gdf9 (NM_021672) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf9 (NM_021672) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gdf9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205293 representing NM_021672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCATTTCACAGCAGATTCTGTGGGGTTTGTCTGCTTTCCTGGCTGTGTCTTCTATTAGCCTTA
GCTCTCAGGCTTCCACGGGAGAATCCAGGCTGGAGCCAGTGAAAATTTGGAGTCTGAGGCAGACCCCTG
GTCCTTGCTGTTGCCTGTAGATGGGACTGACAGGTCTGGCCTCTTGCCCCCTTCAAGTTCTCTCT
GATAGCGGAAGTGAGACCCTAAGCTGCAGCCTGACTCCAGAGCTCTACTACATGAAAAAGCTCTATA
AGACGTATGCTACCAAAGAGGGGTTCTAAACCAGCAGAAGTCACTCTACAATACCGTCCGGCTCTT
CAGCCCCGTGCCAGCAGGAGCAGGCTCCAGCAACCAGATGACAGGACCCCTGCCAATGGTGGACCTG
CTATTTAACCTGGACCGGTGACTGCCATGGAACACTTACTCAAATCGGTCTTGCTATACACTCTGAACA
ACTCCGCTGCTTCTCCTCCACTGTGACCTGTGTGTGACCTTGTGTAAGGAGCCCATGTCTCCAG
CAAGGCTACCCCAAGAGCGCCATACTCATTACCTGAGGAAACACAGGTGGATTGAGATGGATGTGACC
TCCCTCCTCAGCCCCTGGTGGCCTCAAGCGAGAGGAGCATTACCTATCTGTCAATTTTACATGCACAA
GAGACCAGGCCCCAGAGAATGGAACGTTAATATGCCTCTCTCAGTGCCGCCCTCGCTCATCTTGTATCT
CAATGACACGAGTACCCAGGCCTACCATTCTGGCAGTCCCTTCACTCCAGGAGGATTCACAGCAT
CCCGGCCAGGACAGTGTGACTACCCGCTCTGTGGAAGAGGAGGCTACTGAGGTAGAAAGATCTCCTCGGC
ACCGTCCGGGACAGAAAACCTCAGCTCAGAAACAAAGAAGCCACTTACAGCATCCTTCAATCTCAGTGA
ATACTTACAGCAGTTTCTTTCCCTCAAACGAGTGTGAACTCCATGATTTACAGACTGAGTTTGTAGTCA
GCTCAAATGGGACAACCTGGATCGTGGCCCCGCACAGATACAACCTAGGTAAGGAGGACTGTCCCC
GGGAGTACAGGATCGGTACGGCTCTCCTGTGCACACCATGGTCCAGAATATCATCTATGAGAAGCTAGA
CCCCTCAGTGCCAAGGCCTTCAATGTGTGCCCGGCAATAACAGCCCCTTGGCGTGTGACCATTAAGCC
GATGGTCCATTGCTTACAAAGAGTACGAAGATATGATAGCTACAAGGTGCACCTGTCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR205293 representing NM_021672
 Red=Cloning site Green=Tags(s)

MAFPSRFLLGVCCFAWLCLLISLSSQASTGESQAGASENLESEADPWSLLL PVDGTD RSGLLPPLFKVLS
 DRRSETPKLQPSRALYYMKLYKTYATKEGVPKPSRSHLYNTVRLFSPCAQQEQAPSNQMTGPLPMVDL
 LFNLDRTVAMEHLLKSVLLYTLNNSAASSSTVTCVCDLVVKEPMSSSKATPRAPYSFTLRKHWIEMDVT
 SLLQPLVASSERSIHL SVNFTCTRDQAPENGT FNMP LSVPPSLILYLNDTSTQAYHSWQSLQSTQRHSQH
 PGQDSVTTTRPVEEEATEVERSPRHRRGQKTL SSETKKPLTASFNLSEYFRQFLFPQNECELHDFRLSF SQ
 LKWDNWI VAPHRYNPRYCKGDCPRAVRHRYGSPVHTMVQNIIEKLDPSVPRPSCVPGKYSPLSVLTIEP
 DGSIA YKEYEDMIATRCTCR

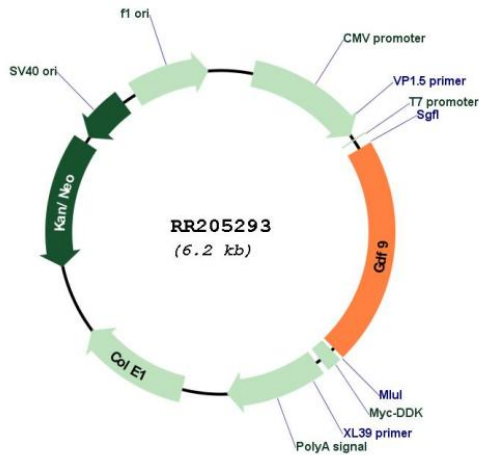
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_021672
ORF Size:	1320 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_021672.1 , NP_067704.1
RefSeq Size:	1388 bp
RefSeq ORF:	1323 bp
Locus ID:	59304
Cytogenetics:	10q22
MW:	49.8 kDa
Gene Summary:	member of the TGF family; may regulate folliculogenesis [RGD, Feb 2006]