

Product datasheet for **RR201675**

Gsn (NM_001004080) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsn (NM_001004080) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gsn
Synonyms:	MGC95032
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR201675 representing NM_001004080
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGTATTGCTCCTCGTGCCTCTGCGTCTGCTCCTGGCGTGTGCGCACTGTCCGCGTCCC
 ATGCAGCCACCGCATCGCGGGCAGGGCCAAGAGAGGGCGCCCAAAGTCGGGTGTCTGAGACCGGGCC
 CAGCACCATGGTGGTGGAGCACCCGAATTCCTGAAGGCAGGGAAGGAGCCTGGCCTGCAGATCTGGCGT
 GTGGAGAAGTTTGACCTGGTGCCTGTGCCCCCAACCTCTATGGAGACTTCTTACGCGGTGACGCCTATG
 TCATCCTAAAGACGGTGCAGCTGAGGAATGGGAATCTGCAGTATGACCTCCACTATTGGCTGGGCAACGA
 GTGCAGCCAGGACGAGAGCGGGCTGCCCCATCTTTACCGTGCAGCTGGATGACTACCTGAATGGCCGG
 GCTGTACAGCACCGTGGGTTTCAAGGCTTTGAGTCCACATTCGAAGGCTACTTCAAGTCTGGACTTA
 AGTACAAGAAAGGAGGCGTGGCATCTGGATTCAAACACGTGGTACCCAACGAGGTGGTGGTGCAGAGGCT
 CTTCCAGGTCAAGGGACCGCGTGTAGTCCGTGCCACTGAAGTACCTGTGTCTGGGACAGTTTCAACAAC
 GGTGACTGCTTATTCTGGACCTGGGAAATAATATCTATCAGTGGTGTGGCTCCGGCAGCAACAAGTTTG
 AAAGACTGAAGGCCACGCAGGTGTCAAGGGCATCCGGGACAACGAGAGGAGTGGACGCGCCAAAGTACA
 TGTGTCTGAAGAGGGTAGCGAGCCGAAGCCATGCTCCAGGTGCTGGGCCCAAGCCGGATCTGCCTCAG
 GGCACCGAGGACACAGCCAAGGAAGATGCTGCCAACCGAAGGCTGGCCAAGCTCTACAAGTCTCCAACA
 GTGGAGGCAGCATGTCACTCCTCGTGGTGCAGGAAACCCCTTCGCCAGTCCGCCCTGAGATCCGA
 GGACTGTTTATCCTGGACCACGGCAGAGATGGGAAAATCTTTGTTTGGAAAGGCAAGCAGGCCAACATG
 GATGAGCGGAAGGCTGCCCTCAAACAGCCTCTGACTTCATCTCCAAGATGCAGTACCCAGGCAGACCC
 AGTTCAGTCTCCCGAGGGCGGCGAGACTCCTCTCTTAAGCAGTTCTTCAAGAAGTGGCGGGACCC
 AGACCAGACAGACGGCCCTGGCCTGAGTACCTCTCCAGCCACATTGCCAACGTGGAGCGCGTGCCTTTC
 GATGCTGTACTACTGCACACCTCCACTGCCATGGCTGCCAGCACGGCATGGATGATGACGGAAGTGGCC
 AGAAACAGATCTGGAGAATTGAAGGTTCCAACAAGGTAAGTGGTGGACCCCGCCACATATGGCCAGTTCTA
 TGGAGGTGACAGTACATCATTCTGTACAACCTACCACCATGGTGGCCGCCAGGGACAGATCATCTACAAC
 TGGCAGGGTGGCCAGTCTACCCAGGATGAGGTGCTGCTTCCAGCCATCCTGACTGCCAGCTGGATGAGG
 AACTGGGAGGAAGTCTGTCCAGAGCCGAGTGGTCCAAGGCAAAGAGCCTGCACACCTCATGAGCTTGTT
 TGGTGGGAAGCCATGATCATCTACAAGGGCGGCACCTCCCGAGATGGTGGGCGAGACAACCCCTGCCAGT
 ACCCGCCTCTTCCAAGTCCGGGCCAGCAGCTCTGGAGCCACCAGGGCTGTTGAGGTAATGCCTAAGGCTG
 GCGCTCTCAACTCCAATGATGCCTTTGTGCTGAAAACCCCTCCGCCGCTACCTGTGGTGGGTACAGG
 AGCCAGTGTGCGGAGAAGACCGCGCCCTGGAGCTGCTGAAGGTGCTGAGGGCCAGCAGTGCAGGTG
 GAGGAAGGCAGTGAACCAGATGGCTTCTGGGAGGCTCTGGGCGGGAAGACTGCCTACCGCACATCCCCCA
 GGCTTAAGGACAAGAAGATGGATGCTATCCTCCTCGCCTCTTCGCTGCTCCAACAGGATCGGGCGCTT
 TGTGATCGAAGAGGTTCTGGCGAGTTATGCAGGAAGACCTGGTACTGATGACGTATGCTCCTGGAC
 ACCTGGGACCAGGCTTTGTCTGGTTGGAAAGGACTCTCAGGAAGAGGAAAAGACAGAAGCCTTGACCT
 CTGCTAAGCGGTACATCGAGACGGACCCAGCGAATCGGGACAGGGGACCCCATCACTGTCGTTAGGCA
 AGGCTTTGAGCCTCCTTCTTTGTGGCTGGTTCTCGGCTGGGATGATGACTACTGGTCGGTGGATCCC
 TTGGACCGGCCCTGGCTGAGCTGGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201675 representing NM_001004080
Red=Cloning site Green=Tags(s)

MAPYCSSLRSALLVLCALSPSHAATASRGRAQERAPQSRVSETRPSTMVVEHPEFLKAGKEPGLQIWR
VEKFDLVPVPPNLYGDFFTGDAYVILKTVQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYLNGR
AVQHREVQGFESSTFQGYFKSGLKYKGGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWDSFNN
GDCFILDLGNNIYQWCGSGSNKFERLKATQVSKGIRDNERSGRAQVHVSEEGSEPEAMLQVLGPKPDLPO
GTEDTAKEDAANRRRLAKLYKVSNSGGSMSVSLVADENPFAQSALRSEDCFILDHGRDGKIFVWKGKQANM
DERKAALKTASDFISKMQYPRQTQVSVLPEGGETPLFKQFFKNWRDPDQTDGPGLSYLSSHIANVERVPF
DAATLHTSTAMAAQHGMDDDGTKQIWRIEGSNKVLVDPATYGGFYGGDSYIILYNRHHGGRQGIIN
WQGAQSTQDEVAASAILTAQLDEELGGTPVQSRVVQKPAHLMSLFGGKPMIYKGGTSRDGGQTPAS
TRLFQVRASSSGATRAVEVMPKAGALNSNDAFVLKTPSAAYLWVGTGASDAEKTGALELLKVLRAQHVQV
EEGSEPDGFWEALGGKTAYRTSPRLKDKKMDAHPPLFACSNRIGRFVIEEVPGELMQEDLATDDVMLLD
TWDQVFVWVGKDSQEEEEKTEALTSAKRYIETDPANRRRTPITVVRQGFEPSPFVGWFLGWDDDYWSVDP
LDRALAEAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Reconstitution Method:

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_001004080.1](#), [NP_001004080.1](#)

RefSeq Size: 2612 bp

RefSeq ORF: 2343 bp

Locus ID: 296654

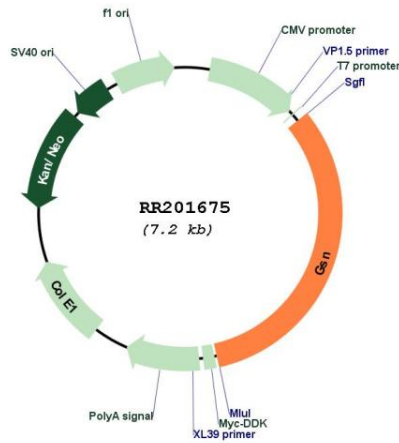
UniProt ID: [Q68FP1](#)

Cytogenetics: 3p11

MW: 86.1 kDa

Gene Summary: plays a role in phosphoinositide mediated disassembly of actin filaments in Sertoli cell adhesion complexes; may regulate sperm release and turnover of the blood-testis barrier [RGD, Feb 2006]

Product images:



Circular map for RR201675