

Product datasheet for **SC306476**

GGN (NM_152657) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GGN
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene sequence for NM_152657 edited <pre> AGAAGGCCTGGGGCGAGGAACAAGACCTCGGAGTATTTCAAGGGGAGACCTAGTTCCTC GCCCTGCCCGGGCCAGGGCGCCGCGTCTGAACTCTGCTCGGCTGGAGGACTCGTCTC CGAGTCCCGTCAGAAATGGGGAACCTTGCAGTCGGAGCCATCCGCGGGCGGGGCTCCGCA AAAGTCGAGCCCTCGGACCGCGCCCCGACTCCGCGGACGTCCCTGGTGGAGCCGAG ATGACCTCCAGGCCATGCGCCTGACTCGTGGGCTGGTGTCTGTTCCCTGGCAGCGCC ACACCCCGGGACTCATGGTACCCCGGAGCCCCAGGCCTACCCCTCGACCTGCCCTC ACCTTAGAACGGCCCTCTCCAGTGATGCCCCCTCTGAAGAGCGCGCCGCTCTCTGCA CCACCCCGGGCCCCGCGGGGACTCTGCTGCCCGGCCGTCTAAATGGCAAAAGCCCGCG GGCACTCCAGTTCCCGGATCCGCGCCTGCTGGAGGCGAGCCATCGCGGCCAGGGCGAC CCTCCGAGCCTCCGCCGCTGAAGCCGCCGCCGCCGCCGCAACTATCCGTGAAGGAC ACTGTCCCGAGGGCCCATCCCAATTTCCGCCGCCCTGGAGACTTGAAGCCGCCACCA CCATTACCTTCTGAACGCGAGCCGCGGACCGCAGAATCACTCTGCTCTGGCCACACCC GCCTACCCCGACAGAAAGCCAGGCTGGGCCCGCAACCAGGGCCAGACGGCCGCGCAGG GCTCGCGGAGGGGCGCTCCCATGCGGGCGAAGGCGAAATGGCCAGCCTGCGGATTCC GAGTCCGCTCTGAGCCTGCTGTGTAATAACCTTCAAGTCGAGGCCCTTTTGGCCCT CCGGCAGCCTCGAGTTCCTTAGCAGCCAAAGCTTCGCTGGGGGGCGGCGAGGCGCGGC CTCTTTGCTGCCTCAGGTGCCATCTTTACGCCAGGTCTGAAGCAAGGGCCCTGCCT CCTGGAGCCGCTCGCCCTTGGGAGAGTTTCTCGAGGGGCACAGGAAGCCGAGGAGGT GATGGAGACGGCGAAGGGTCTCTGGTCTCCCTCGCGCCTGCGTCCCAAGCCCGGGCC CTACCGCCGCCACCTACACCCTTCCAGGCTCGAAGCCAAATTCGACTGGGTTAGC GCTCCCGACGGCCTGAACGCCACTTCGCTTCAACGGGGCTGGCGGAGGCATCGGGGCG CCGCGACGGCGTGGCGCGCACTCTCTGGGCTTGGGGCTCCCTCCGCCACCACAGAG CAGATACACTCAGTCCCGGGCCCCGAGGCCCGACCTGCCCTGCTGGCGCCGCTACG TTCATCTTCCAGCACCCACCAATGGCGAGCCCATGCGCCGGGGCTCCAGGCCTGCAG GAGTTACACCGCTGCCACCGCCACACCGCCGCCCACTGCAGCCACCAGCGCTCCAG CCAACGCCGCTGCCGTTGGTCCCCGCTACCCCGGCTGGGCCACAAGGAGTCAGCC CTGGCTCCCAACCGCAGCCCTGCTCTGCCCCAGCCTTAGCCGCCGACCAAGGCCCGGCC CCATCCCCGGCTCCAGCTCCACCGTGGCTGAGCCCTCGCCGCTGTGTCCGCGCCGCA CCCGCGGCTGCGCCCATCAAGACCCGCACAGCAGGAACAAGGTTCCCGTGCAGCCCGG GGCGCGACCGTAAGGATGGCTTGATGGAGATGGTCTCGCAACGAGCTACAGTACC GTGCCTGACAGCAGTGGTGGAGGGGGTGGTGGCAGCGGGGCTCTCAGACTGGGGCAGCT AACACCCGCTGCGCGCACTGGCTGCCCTTCCAGGTGCTTAACCTCTGTCCCTGCAAG TGTTACTGCCACCACGACGACGACATCGCCGCTGCCACGCAACGTCTCTGCTGGCTG AGCACATCCACCAACCTGGGCGAGCCACCTGGGTTGCCACCATCAAGCTGTCCGGC TCTCTGGTGCCAAAGCTGGAGCACTACGACTTGCAAGGCCACCATTCCTCACTGAGTGAG TCGGCTCAACACCTCCACCTTCCCTCCATGCCAATAAAATAACCAATCAAAAAAAAAA AAAAAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152657
Insert Size:	2200 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_152657.3.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152657.3</u> , <u>NP_689870.3</u>
RefSeq Size:	2168 bp
RefSeq ORF:	1959 bp
Locus ID:	199720
UniProt ID:	<u>Q86UU5</u>
Cytogenetics:	19q13.2
Gene Summary:	This gene is a germ cell-specific gene that encodes proteins that interact with POG (proliferation of germ cells). Alternatively spliced transcript variants of a similar mouse gene encode at least three different proteins, namely gametogenetin protein 1a, gametogenetin protein 2, and gametogenetin protein 3, which show a perinuclear, cytoplasmic, and nucleolar localization, respectively. These proteins regulate the localization of POG and may play a role in spermatogenesis. [provided by RefSeq, Jul 2008]