

Product datasheet for **SC321515**

GMCL1 (NM_178439) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMCL1 (NM_178439) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMCL1
Synonyms:	BTBD13; GCL; GCL1; SPATA29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_178439.3
 GGTGCTGCGGTGCTAGAGCGCGGCGACCGGACGCTGCGGGCGGGGAAGAGGATGGAGA
 CTGTGGCGTCCGCTGCAACGGTTGGGGCTGCGCGTGAGAAGGTGGCGGTGTAGGCACCTG
 CGCTCGGGGAAGGCTGGCGGGCGGCGCCGAGCCATGGCGGGAGACCCCTTCTCTGGGCT
 CCCTGAAGTCTCGGGAGCCGTGACCCATGGGATCGTTGAGCAGCCGGTGTGCGCCAG
 CCAAGACCAGCCCTTGCCAGCAGGCGCAGGGTCCAGGGCGGGGGCTCGGCCCGGAGG
 CCGGACACTGGAGACGATGCGGGCGGCGCAGGATTCTGTTACTGTGCGGGCAGCCACAAG
 CGCAAGCGGAGCAGCGGTCTTCTGCTACTGTACCCTGACTCGGAGACGGACGAGGAT
 GAGGAGGAGGGGACGAGCAGCAGCGGCTCCTCAACACCCTCGAAGGAAAAAATTAAG
 AGTACATCTAAATATATTTATCAAACATTATTTTTGAATGGTGAACACAGTGACATTAAG
 ATTTGTGCTCTAGGAGAAGAATGGAGCTTACACAAAATATTTTATGTCAATCTGGCTAC
 TTTTCTAGTATGTTCAAGTGGTCTTGGAAAGAATCCAGCATGAATATTATTGAACTGGAG
 ATTCCTGACCAGAACATTGATGTAGAAGCACTGCAGGTTGCATTTGGTTCAGTGTATCGA
 GATGATGCTTTGATAAAGCCAGTCGAGTTGTTGCCATTTTGGCAGCAGCTTGTGTTGCTG
 CAGTTGGACGGTTAATACAGCAGTGTGGTGTGACAATGAAGGAAACAGTTAATGTGAAA
 ACTGTATGTGGCTATTACACATCAGCAGGACCTATGGATTAGATTCTGTAAAGAAAAAG
 TGCCCTGAATGGCTTCTAAACAATTTGATGACTACCAGAATGTTGAACTTTTTAAAGAA
 CTCAGTATAAATGTCATGAAACAGCTCATTGGTTCATCTAACTTATTTGTGATGCAAGTG
 GAGATGGATATATACACTGCTCTAAAAAGTGGATGTTCCCTTCAACTTGTGCCTTCTTGG
 AATGGATCTTTAAACAGCTTTTACAGAAACAGATGTCTGGTTTTCTAAACAGAGGAAA
 GATTTTGAAGGTATGGCCTTTCTTGAAGTGAACAAGGAAACCAATTTGTGTCAGTATTC
 AGACATTTAAGGTTACAATATATTATCAGTGTCTGGCTTCTGCAAGAATTATTGAACAA
 GATGCTGTAGTACCTTCAGAATGGCTCTCTTGTGTATAAACAGCAGTGGTTTGTCTATG
 CTGCGGGCAGAACAGGACAGTGAGGTGGGCCTCAAGAAATCAATAAAGAAGAAGTATGAG
 GAAACAGCATGAGGTGTGGTAGAAAGCTTGCCAAAGATGGTGAATACTGCTGGCCTTGG
 ACAGGTTTTAACTTCGGCTTCGACCTACTTGTAACCTACACCAATCGATACATCATTTTC
 AAACGCAATACACTGAATCAGCCATGTAGCGGATCTGTCAGTTTACAGCCTCGAAGGAGC
 ATAGCATTTAGATTACGTTTGGCTTCTTTTATAGTAGTGGAAAATAATATGTAGTAGA
 ACAACTGGCTATCAAATACTTACACTTGAAGGATCAGGAACAAGTGGTGTGAACTTG
 GACAGCAGGCTTCTGATCTTCCCTTTATATCTGCTGTAACCTTCTGTATATATACCA
 GAAAAAAGAATTGAAAATAATCGTCACCCAGAAAATCCAGAAAATGAAATTTTATCA
 GTTGAAAACAGTAGCACTTTGAAAACCTTTTAGGCCAGCTTAAATTTAATGGCCCTACTG
 ATATTCACATCGAAGGTGACTAACAATGACAAAGGCCTTATGAACTGTACAGACAATACA
 GAAGATTATCTTATCCTCATTGCATTTCTATGCATATGCGTAAGAACATTTTAAAGCCA
 AGAAAATATCTGTCAAACATTTCTGTTAGAACGATGTCAATTCATGCTTTTAAATTTAGC
 ATCAATAGAAAATTGCTGTAGGTAATCTCACATTTATCTGCAACAAAATATAGATTTAA
 TTTTATAGCTTAACTTTGTTTCTACCTTATGTTAGTGGACCTCAGTTATCCATCTGTAAA
 TTTCTTTTATTTGGCTAAAATAATCTAAAAGAATAATTTGGTTGGCCAATTAGAATGC
 CTTTTTCAGTTGGTGTATTGAAAGCTTTCTTTAACATTTTACCTGCTCATTGTGATTC
 CTCCTTTTAGTCTAATATCTTTCCAGGTCATACTTGTTTTTAAATCATTAAATATTTTCTT
 CCTGGTAA
 AA

Restriction Sites: Please inquire

ACCN: NM_178439

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_178439.3 , NP_848526.1
RefSeq Size:	2402 bp
RefSeq ORF:	1548 bp
Locus ID:	64395
UniProt ID:	Q96IK5
Cytogenetics:	2p13.3
Gene Summary:	This gene encodes a nuclear envelope protein that appears to be involved in spermatogenesis, either directly or by influencing genes that play a more direct role in the process. This multi-exon locus is the homolog of the mouse and drosophila germ cell-less gene but the human genome also contains a single-exon locus on chromosome 5 that contains an open reading frame capable of encoding a highly-related protein. [provided by RefSeq, Jul 2008]