

Product datasheet for **MC217449**

Gmcl1 (NM_011818) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmcl1 (NM_011818) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gmcl1
Synonyms:	2810049L19Rik; Btbd13; DIP; Gcl; Gcl-1; glc-1; mglc-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217449 representing NM_011818
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCGCTCTCAGCAGCCGGTCTGCGGCCCGCAGGGCGCACAGAGCAGCCCCAACCCACGCCCGGGG
 CTGGGGCGCGGCCCGCAGGTCGGACGCCGCGCAAGATGCGGGCCACAGCTTCTGTTACTGTCCGGGCGG
 CCGCAAGCGCAAGCGCAGCAGCGGCACATTCTGCTACTGTCAACCCGACTCCGAGACAGACGACGACGAG
 GACGAGGGCGACGAGCAGCAGAGGCTGCTGAACACGCCGCGCAGGAAAAAATTAAGAGCACATCAAAAT
 ACATCTACCAAACGCTGTTTTTGAATGGTGAACACAGTGACATTAAGATCTGTGCTCTAGGTGAAGAGTG
 GAGCTTACACAAAATCTACTTATGTCAATCTGGCTACTTTCTAGTATGTTCAAGTGGTCTTGGAAAAGAA
 TCCAGCATGAATATTATTGAAGTGGAGATTCCTGACCAGAACATTGATATAGAAGCACTGCAGGTGCGAT
 TTGGATCACTGTATCGAGATGACGTCTTAATAAGCCCAGCAGGGTCGTTGCCATTTTGGCAGCAGCTTG
 CATGCTGCAATTGGATGGTTTGATACAGCAGTGGGTGAGACAATGAAGGAGACCATCTCTGTGAGAACT
 GTGTGTGGCTATTACACATCGGCAGGGACCTATGGACTAGACTCTGTAAAGAAAAAGTGCCTCGAGTGGC
 TGCTGAACAACCTCATGACTCACCAGAGTGTGGAGCTTTTCAAAGAACTCAGTATAAACGTCATGAAACA
 GCTCATTGGTTCGTCTAACTTATTTGTGATGCAAGTGGAGATGGATGTATATACAGCTCTTAAAAAGTGG
 ATGTTCCCTCAGCTGGTGCCTTCTGGAATGGGTCTTTAAAGCAGCTTTTACAGAAAACAGATGTCTGGT
 TTTCAAAGTGGAAAAAGACTTTGAAGGGACGACTTTCTTGAAGTGGCAGGGAAAACCATTTGCGCC
 CGTGTTCAGACATTTAAGGCTACAGTACATTATCAGTGATCTGGCTTCTGCAAGGATCATTGAGCAGGAT
 TCTCTGGTACCTTCAGAAATGGCTGGCGCAGTGTATAAACAGCAGTGGCTGGCTATGCTACGGGCTGAAC
 AAGACAGTGAAGTGGGGCTCAAGAAATCAATAAAGAAGAACTTGAGGGAAAACAGCATGAGGTGTGGTGC
 AAAGCTTGCCAAAAGATGGTGAAGTACTGCTGGCGCTGGACAGGCTTCAATTTGCGCTTTGACCTCCTTGTG
 ACTTACCAATCGATACATCATTTTCAAACGCAATACGCTGAACAGCCATGTAGTGGATCTGTACAGT
 TACAGCTCGAAGGAGCATAGCATTTAGATTGCGCTTGGCTTCTTTTACAGTAGTGGGAAACTCATATG
 CAGTAGAGCAACTGGCTACCAAATACTGACGCTTAAAAAGACCAGGAGCAAGTGGTGTGAAGTGGAC
 AGCAGACTTCTGATCTTCCCTCTGTACATCTGCTGTAACCTTCTGTATATATCACCAGAAAAAGAACTG
 AGAGTAATCGTCACCCAGAAAACCCAGGACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_011818
- Insert Size:** 1575 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).
- 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_011818.3 , NP_035948.3
RefSeq Size:	2967 bp
RefSeq ORF:	1575 bp
Locus ID:	23885
UniProt ID:	Q920G9
Cytogenetics:	6 37.75 cM
Gene Summary:	Possible function in spermatogenesis. Enhances the degradation of MDM2 and increases the amount of p53 probably by modulating the nucleocytoplasmic transport.[UniProtKB/Swiss-Prot Function]