

## Product datasheet for MC225238

### Gon4l (NM\_027389) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gon4l (NM_027389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gon4l
Synonyms:	1500041I23Rik; 2610100B20Rik; 3632445O20Rik; 5430404N14Rik; AA387005
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225238 representing NM_027389 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTGCCCTGTAAGAAGAGAAGACTTTCAGTGACCGAGTCTTCTCAGCAGCAAGATGACCAGGAGGGTG  
ATGACTTGGACCTAGAGGCAGCTGTGAAGCCAGACACGGACCAGCTCCCAGACAGCGCGTCAGAGTCCCT  
GTCTGGGGTTCAGAGTCAGGACAGTGCAGTGTGCCCTGAAGGGCTCTCCATGCAGGATGGAGACGATCAG  
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ATGAGGACTGGAAGCAGTGGCTCGGGGCTCATAAATGATGACGTGGAGAACGAGGATGAGGCAGATGA  
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GATCTGTTTTGCCGAGAACCCTCCCACCACCAGAAGATCATCAAGGTTCTTCAGGGCTGTGCAGACTGC  
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 TCAGGAGCTAGGGCTCAGAGGCTGCTCCAAAACCTGCCAGAGAGGTCTGGCTGAAGACAGTGGGACAC  
 AAGGATGGGCCAGAAAGGGGCGCTACAAAAGCCTCAGAAGCCACCGTCTGTGCCAACAACAGCAAGGT  
 CAGCTCCACTGGGGAGAAGGTGGTGTCTTTGGACAAGGGAAGCAGACCGAGTGATTCTCACCATGTGCCAG  
 GAGCAGGGAGCACAGCCTCACACCTCAGTGTCTTTCTCAGCAGCTGGGAAATAAGACCCTGTTGAGG  
 TTTCCACCGCTCCGAGAGCTCATGCAGCTCTTTCACACGGCTGCGAGGCCAGCTCTGAGGACGAGGA  
 CGATGCTACCAGCACCAGCAACGCAGACCAGCTCTGACCACGGGGACCTGCTGTGAGAAGAGGAGCTA  
 GACGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_027389

**Insert Size:**

6729 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:**

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\\_027389.3](#), [NP\\_081665.2](#)

**RefSeq Size:**

7546 bp

**RefSeq ORF:**

6729 bp

**Locus ID:** 76022

**Cytogenetics:** 3 F1

**Gene Summary:** Has transcriptional repressor activity, probably as part of a complex with YY1, SIN3A AND HDAC1 (PubMed:21454521). Required for B cell lymphopoiesis (PubMed:20530203). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.