

## Product datasheet for **MC217785**

### **Gnl3 (NM\_153547) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gnl3 (NM_153547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnl3
Synonyms:	Ns
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217785 representing NM\_153547  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGAGGCCTAAGTTAAAGAAAGCGAGTAAACGTATGACCTGCCATAAGCGATATAAAATTCAAAAA  
 AGGTCCGAGAACATCATCGAAAATTAAGGAAGGAAGCTAAAAACGGGGTACAAGAAGCCTAGGAAGGA  
 CCCAGGTGTTCCAAATAGTGCTCCCTTTAAAGAGGCTCTTCTTCGTGAAGCTGAAGCTAAGGAAACAGCAG  
 CTTGAAGAATAAAACAGCAGCAGAAAATTGATAGGCAAAAAGAGCAAGAAAGGAAAAAGAAAATTTGAAG  
 TTAGCCCTGGTGATGAGCAGTCTAATGTGGAACTAGGGAGGAATCTGACGAGCCAAAAGAAAGAAAGC  
 CAAAGCAGGCAACAGAAATCCAAAGAAGTTACATTGCCAGGAACCTAAAAAGGTGATTGAAGCCTCAGAC  
 ATTGTGTTAGAAGTTTTGGATGCCAGAGATCCTTGGTTCAGGTGTCCTCAGATAGAAGAAGCTGTTA  
 TCCAGAGTGGGAGTAAGAAGCTGATACTGTATTAATAAAGTCTGATCTAGTACCAAAGGAGAATTTGGA  
 GAACTGGCTAAATTTTGAATAAAGAATTGCCAACCGTGGTGTCAAAGCCTCAACAAACTTAAAGAAC  
 AGAAAGACATTCAGATAAAAAAGAAGAAAGTTGTTCCATTCCAAGCAAAATCTGCTGTGGCAAGGAAG  
 CCCTTTGGAAGCTTCTTGAGATTTTCAGCAGTCTGTGGAAAGGATATTCAGTTGGAGTGATTGGTTT  
 CCCAAATGTGGGAAAAGCAGTGTCAATTAAGCTTAAACAAGAATGGATTTGCAATGTTGGGATTTCC  
 ATGGGACTTACAAGGAGCATGCAGATTGTCCTTTAGACAAGCAGATCACAATCATAGACAGTCCATGCC  
 TAATTATCTCACCTTGTAACTCCCCACTGCACCTGCCCTTCGGAGTCCAGCAAGCATTGAGGAACTAAG  
 ACCGCTGGAGGCTGCCAGTGCCATTCTGTCTCAGGCTGATAATGAACAGGTGGTGTAAAAATACTGTC  
 CCTGAGTATAAGGATTCTCTGCATTTTTTACTAACTTGCTCAAAGAAGAGGTCTGCACCAAAAAGGTG  
 GAAGCCCAAATGTGAAAAGTGTCTGCTAAGCTGGTGGTCTGAGTGGACAGGTGCCTCATTAGGTTACTA  
 TTGCCATCCCCCTGCATCCTGGAATCATTCTCTGCATTTAATGAGAATATTGCAGCAGTCATGAAGAAG  
 GGCTTTAATCTAGAAGAACTAGAAAAGAATAATGCACACAGCATACAAGTCTCAAGGGCCCTCATTTAA  
 CTAATAGAATCCTTTTTCGGTCTTCGGGCCTGACAAATGGAATACTAGACGAGAAGGACATAGTCGAAGA  
 ATCACCAAGACAGACAGAAGACAAACAGGATGCTGACGATCAAGAAAATGGTAGTGGTGAAGAAAATGCA  
 GAGATCTCAGATGTGGCCCTGTAGAAGAGACCAGGGAGCTGCACCTGAGCAATCAACAGCAGGTAAGC  
 CATCTGACGGTCTGCCTTGGATAGAGCGAGTCAAGAGGATGAAACCTATGACTTCACCACAGATTA  
 TATATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_153547

**Insert Size:** 1617 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\\_153547.6](#), [NP\\_705775.2](#)

**RefSeq Size:** 1935 bp

**RefSeq ORF:** 1617 bp

**Locus ID:** 30877

**UniProt ID:** [Q8CI11](#)

**Cytogenetics:** 14 19.09 cM

**Gene Summary:** May be required to maintain the proliferative capacity of stem cells (By similarity). Stabilizes MDM2 by preventing its ubiquitination, and hence proteasomal degradation.  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein.