

## Product datasheet for **MC221041**

### **G2e3 (NM\_001015099) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	G2e3 (NM_001015099) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	G2e3
Synonyms:	6030408C04Rik; 9030416F18; AW046379; D930034K21Rik; mKIAA1333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221041 representing NM\_001015099  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATGAAAATAAACCTGATAATTCACAAAGTCTTGCTTGTGTTTTCTGCCAAAAAATGATGACTGTC  
 CCAATAAATACGAGAGAAAAGAAAACATATGAAAAATGGAATTTTGTGTCCTACTACTGCTTGTTAAT  
 GTCAAGTGGAAATTTGGCAGAGAGGTAAAGAAGAAGAAGGAGTTTATGGCTTCTAATAGAAGACATCAGG  
 AAGGAAGTCCAGAGAGCCTCCAACTGAAGTGTACAGTTTGAAGAAGAATGGTCTTCAATTGGATGTG  
 TGGTACCCACGTGTAACGAAGTTATCACTTGCCTTGTGGACTTCAGAAAAGATGATTTTCCAGTTCAC  
 TGACAATTTTGCCTCATTTTGTGAAACATCGACCCGTTCAAGCAATTACATCTAATAAATATAGTAGT  
 TCTTTACCATGTACTATCTGTTTGAATTTGTCGAGCCTATTCCTACTTATAACATACTACAAAGTCCCT  
 GTTGTAAGAATGCTTGGTTTCATAGAGACTGTTTACAGGTCCAAGCAATAAATGCAGGAGTGTTCCTT  
 TAGATGTACACTATGCAATAATACAGACATCTTTCAGAAGGAGATGTTGAGAATGGGAATTCATATTCCT  
 GAAAAAGATGCATCCTGGGAATTAGAAGAAAACGCGTATCAAGAGCTGCTGCAGAGCCACGACCGCTGTG  
 ATATTCGAAGATGTCCTGCAAAAAAGGCCGAGACTACAACGAACCTAACAGCAATGGGAAGTAAAGCG  
 GTGTCAGAGTTGTGGTTCTAGTGAACACACTTACGCTGTTTCTCACTACAGTCTTGGGAACAAAATTGG  
 GAGTGTGGACTGTAGAAGAATTACCTACACTTACAGTTTCCAAAAGGCCCCCAACACCCATTAGCCA  
 ACTCTACTAATGTGACAGTTACTGACTGCTTGTGGAAGAGTCATCATCTAAGCTCCCGAGACAGTCAAC  
 TGTAGCCAGCATAAAGAAGTACTGAGGCAAGGCAGCAAAATTTAGGAGAGACATTTCAACAATATTGATA  
 GAGTTAGGATTCAAAATTAAGAAGAAAAGTAAAGCATTATACATCAACAAGCCAATGTGTGGAGGAGTG  
 CCTTAGAGCAGTTCAGAGCCAGAAGTTAAACCTTCATGCTCCATTGACGTAGTGTATGTTAATGGCAA  
 TGAGGTTGGAAGCCAGCATCTTGGATCAAAAGCAGGAATTTCTGAGTCACTTAATGCACCATCTTGAGAAT  
 TCATCAGTGTGGAAAGGTCCTTGGCAAAGAACTTGTCTCTAAATTCCTCAAGCTGTGAAAGAGAATCTTT  
 ACTATGAAGTTGGCAAAATGCTTGCCATTTCTTTAGTTCATGGTGGTCTTCGCCTGTTTCTTTCTGA  
 AACCTGTTTAACTGCCTTGCTTATGGACCAGAAAATACTCTACCAACTTTGGATGATGTATCAGACATT  
 GATGTTGCACAGATTATAATCAAGATAGATTCTGCAACTGATTTAAACATTTTAAATTCAGTAATAAGCC  
 AACACTATAACTACTTAGAGGTCAGTGGATGTTAAGACTTACGACATCATTAAAGTATAAATTCATGTT  
 GGTAAAAGACATCCTTTTCTACCATGTAATTAATAGAGTCAAGGCACCTTTTGGAGTTTTAAACAGGGT  
 CTGAAAACGCTTGGTGTGTTTAGAGAAAATTCAACTTACCCAGAAGCATTATTAAGATCCTATGTCATA  
 AACCTGAGAATCTCTGCAAAAAACCTCAGTGACCTTTCACAATTCCTCGGTAGCGGACGTACAGAC  
 TTTGAGGTTTTGGAACAGTACTTAAAGGCTATAGAGGATGGTAAATCTGCAACAACGATGGAAGATATT  
 CTTATTTTGGCAACTGGCTGTAGTTCTGTCCCACCACTGGATTTAAACCTCTCTGTGCTGATGTAATGTC  
 TACATGTGGATTTTCTGTTGCAGACAAATATAGAAACCATTTAGTTCTACCAGCCCAACACGATGA  
 AGAGTTCCAAGAAAATATGGATTTACCATAAGAGACTCTAAGATTAGAAAAGGAAGAAGGTCTCAC  
 ATACTACCTCGGACATTAATGTTTCTTCTAATGAAGAAATGCTTATT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001015099

**Insert Size:** 2151 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001015099.2, NP_001015099.2</u>
<b>RefSeq Size:</b>	6634 bp
<b>RefSeq ORF:</b>	2151 bp
<b>Locus ID:</b>	217558
<b>UniProt ID:</b>	<u>Q5RJY2</u>
<b>Cytogenetics:</b>	12 B3
<b>Gene Summary:</b>	<p>E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (By similarity). Required for prevention of apoptotic death in early embryogenesis. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.</p>