

Product datasheet for **MC221256**

G2e3 (NM_001167963) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G2e3 (NM_001167963) 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: >MC221256 representing NM_001167963
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGAAAATAAACCTGATAATTCACAAAGTCTTGCTTGTGTTTTCTGCCAAAAAATGATGACTGTC
 CCAATAAATACGAGAGAAAAGAAAACATATGAAAAATGGAATTTTGTGTCCTACTACTGCTTGTTAAT
 GTCAAGTGGAAATTTGGCAGAGAGGTAAAGAAGAAGAAGGAGTTTATGGCTTCTAATAGAAGACATCAGG
 AAGGAAGTCCAGAGAGCCTCCAACTGAAGTGTACAGTTTGAAGAAGAATGGTCTTCAATTGGATGTG
 TGGTACCCACGTGTAACGAAGTTATCACTTGCCTTGTGGACTTCAGAAAGAATGATTTTCCAGTTCAC
 TGACAATTTTGCCTCATTTTGTGGAACATCGACCCGTTCAAGCAATTACATCTAATAAATATAGTAGT
 TCTTTACCATGACTATCTGTTTGAATTTGTCGAGCCTATTCCTACTTATAACATACTACAAGTCCCT
 GTTGTAAAGATGCTTGGTTTCATAGAGACTGTTTACAGGTCCAAGCAATAAATGCAGGAGTGTTCCTT
 TAGATGTACACTATGCAATAATACAGACATCTTTCAGAAGGAGATGTTGAGAATGGGAATTCATATTCCT
 GAAAAAGATGCATCCTGGGAATTAGAAGAAAACGCGTATCAAGAGCTGCTGCAGAGCCACGACCGCTGTG
 ATATTCGAAGATGTCCTGCAAAAAAGGCCGAGACTACAACGAACCTAACAGCAATGGGAAGTAAAGCG
 GTGTCAGAGTTGTGGTTCTAGTGAACACACTTAGCCTGTTTCTCACTACAGTCTTGGGAACAAAATTGG
 GAGTGTGGACTGTAGAAGAATTACCTACACTTCCAGATTTCCAAAAGGCCCAACACCCATTAGCCA
 ACTCTACTAATGTGACAGTACTGACTGCTTGTGGAAGAGTCATCATCTAAGTCCCGACAGTCAAC
 TGTAGCCAGCATAAAGAAGTACTGAGACTAAAGCAAGAAATTCAGTTATCAACCACAGCATGATTTTT
 AGAAGACAGTCTGTTTAAACAAAAGGCAAGGCAAGCAATTTAGGAGAGACATTTCAACCAATATTGATAG
 AGTTAGGATTTCCAAATTAAGAAAAGAACTAAGACATTATACATCAACAAAAGCAATGTGTGGAGGATGC
 CTTAGAGCAGTTCCAGAGCCAGAAGTTTAAACCCTTCATGCTCCATTGACGTAGTGTATGTTAATGGCAAT
 GAGGTTGGAAGCCAGCATCTGGATCAAAGCAGGAATTTCTGAGTCACTTAATGCACCATCTTGAGAATT
 CATCAGTGTGGAAAGGTCTTGGCAAAGAAGTGTCTCTAAATTCTCAAGCTGTGAAAGAGAATCTTTA
 CTATGAAGTTGGCAAATGCTTGCCATTTCTTGTAGTTCATGGTGGTCTTTCGCTGGTTTCTTTCTGAA
 ACCTTGTTTAACTGCCTTGCTTATGGACCAGAAAATACTCTACCAACTTTGGATGATGTATCAGACATTG
 ATGTTGCACAGATTATAATCAAGATAGATTCTGCAACTGATTTAAACATTTTAAATTCAGTAATAAGCCA
 AACTATAACTACTTAGAGGTCAGTGGATGTTTAAAGACTTACGACATCTTAAGTATAAATTCATGTTG
 GTAAAAGACATCTTTTCTACCATGTAATTAATAGAGTCAAGGCACCTTTTGGAGTTTTAAACAGGGTC
 TGAAAACGCTTGGTGTGTTTAGAGAAAATTCAACTTACCAGAAGCATTATATAAGATCCTATGTCATAA
 ACCTGAGAATCTCTGCAAAAAACCTCAGTGACCTTTCACAATTCCTCGGTAGCGGACGTACAGACT
 TTGAGGTTTTGGAACAGTTACTTAAAGGCTATAGAGGATGGTAAATCTGCAACAACGATGGAAAGATTC
 TTATTTTTGCAACTGGCTGTAGTTCTGTCCCACCAACTGGATTTAAACCTCTCTGTCAGTTGAATGTCT
 ACATGTGGATTTTCTGTTGCAGACAAATATAGAAACATTTAGTTCTACCAGCCACCAACAGTATGAA
 GAGTCCAAGAAAATATGGATTTACCATAAGAGACACTTAAGATTAGAAAAGGAAGAAAGGTCTCACA
 TACTACCTCGGACATTAATGTTTCTTCTAATGAAGAAATGCTTATT**TAA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001167963

Insert Size: 2220 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:	<u>NM_001167963.1, NP_001161435.1</u>
RefSeq Size:	6703 bp
RefSeq ORF:	2220 bp
Locus ID:	217558
UniProt ID:	<u>Q5RJY2</u>
Cytogenetics:	12 B3
Gene Summary:	<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 (2) contains an additional in-frame coding exon compared to variant 1, resulting in a longer isoform (2) containing a 23 aa protein segment not found in isoform 1.</p>