

Product datasheet for **MG221058**

G2e3 (NM_001167963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G2e3 (NM_001167963) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	G2e3
Synonyms:	6030408C04Rik; 9030416F18; AW046379; D930034K21Rik; mKIAA1333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221058 representing NM_001167963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGAAAATAAACCTGATAATTCACAAAGTCTTGCTTGTGTTTTCTGCCAAAAAATGATGACTGTC
 CCAATAAATACGGAGAAAAGAAAACATATGAAAAATGGAATTTTGTGCTCACTACTACTGCTTGTAAAT
 GTCAAAGTGAATTTGGCAGAGAGGTAAGAAGAAGAAGGAGTTTATGGCTTCTAATAGAAGACATCAGG
 AAGGAAGTCCAGAGAGCCTCAAACCTGAAGTGTACAGTTTGAAGAAGAATGGTGCCTCAATTGGATGTG
 TGGTACCCACGTGTAACGAAGTTATCACTTGCCTTGTGGACTTCAGAAAAGAAATGATTTTCCAGTTCAC
 TGACAATTTTGCCTCATTTTGTGGAACATCGACCCGTTCAAGCAATTACATCTAATAAATATAGTAGT
 TCTTTACCATGTACTATCTGTTTGAATTTGTCGAGCCTATTCTACTTATAACATACTACAAAGTCCCT
 GTTGTAAAGATGCTTGGTTTCATAGAGACTGTTTACAGGTCCAAGCAATAAATGCAGGAGTGTTCCTT
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 ATATTCGAAGATGTCACTGCAAAAAAGGCCGAGACTACAACGAACCTAACAGCAATGGGAAGTAAAGCG
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 GAGTGTGGACTGTAGAAGAATTACCTACACTTCAGATTTCCAAAAGGCCCCCAACACCCATTAGCCA
 ACTCTACTAATGTGACAGTTACTGACTGCTTGTGGAAGAGTCACTCATCTAAGCTCCCAGACAGTCAAC
 TGTAGCCCAGCATAAAGAAGTACTGAGACTAAAGCAAGAAATTCAGTTATCAACCACAGCATGATTTTT
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 GAGGTTGGAAGCCAGCATCTGGATCAAAGCAGGAATTTCTGAGTCACTAATGCACCATCTTGAGAATT
 CATCAGTGTGGAAGGTCCTTGGCAAAGAAGTGTCTCTAAATCTCAAGCTGTGAAAGAGAATCTTTA
 CTATGAAGTTGGCAAAATGCTTGCATTCTTTAGTTCATGGTGGTCTTTCGCTGGTTCTTTTCTGAA
 ACCTTGTGTTAAGTGCCTTGTATGGACCAGAAAATACTCTACCAACTTTGGATGATGTATCAGACATTG
 ATGTTGCACAGATTATAATCAAGATAGATTCTGCAACTGATTTAAACATTTTAAATTCAGTAATAAGCCA
 AACTATAACTACTTAGAGGTCAAGTGGATGTTTAAAGACTACGACATCATTAAAGTATAAATTCATGTTG
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 TGAACACGCTTGGTGTGTTTAGAGAAAATTCAAACTTACCCAGAAGCATTATAAGATCCTATGTCATAA
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 TTGAGGTTTTGGAACAGTTACTTAAAGGCTATAGAGGATGGTAAATCTGCAACAACGATGGAAGATTC
 TTATTTTTGCAACTGGCTGTAGTTCTGTCCCACCAACTGGATTTAAACCTCTCTGTGAGTTGAATGTCT
 ACATGTGGATTTTCTGTTGCAGACAAATATAGAAACATTTAGTTCTACCAGCCACCAACACGTATGAA
 GAGTTCCAAGAAAATATGGATTTACCATAAGAGACACTAAGATTAGAAAAGGAAGAAAGGTCTCACA
 TACTACCTCGGACATTAATGTTTCTTCAATGAAGAAATGCTTATT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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_001167963.1](#), [NP_001161435.1](#)

RefSeq Size: 6703 bp

RefSeq ORF: 2220 bp

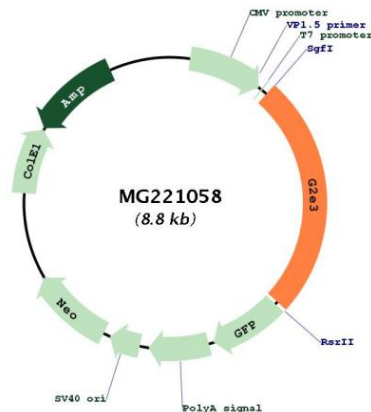
Locus ID: 217558

UniProt ID: [Q5R1Y2](#)

Cytogenetics: 12 B3

Gene Summary: 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]

Product images:



Circular map for MG221058