

Product datasheet for **MR221058**

G2e3 (NM_001167963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G2e3 (NM_001167963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	G2e3
Synonyms:	6030408C04Rik; 9030416F18; AW046379; D930034K21Rik; mKIAA1333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR221058 representing NM_001167963
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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 GTCAAGTGAATTTGGCAGAGAGGTAAAGAAGAAGAAGGAGTTTATGGCTTCTAATAGAAGACATCAGG
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Protein Sequence: >MR221058 representing NM_001167963
 Red=Cloning site Green=Tags(s)

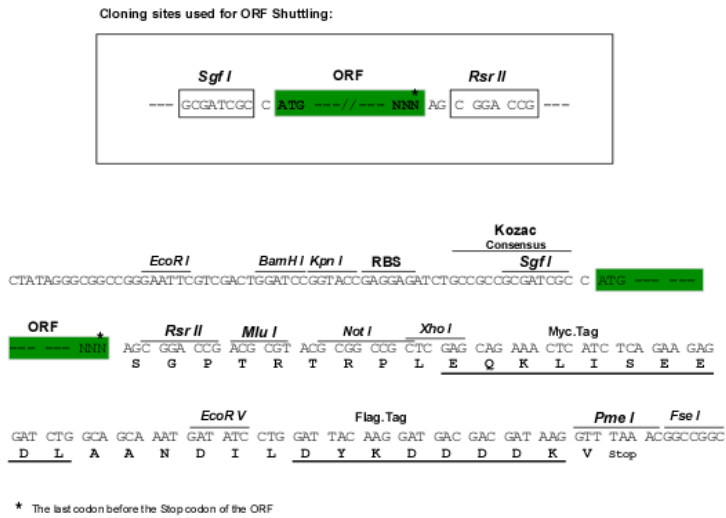
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M N E N K P D N S Q S L A C V F C R K N D D C P N K Y G E K K T Y E K W N F S V H Y Y C L L M S S G I W Q R G K E E E G V Y G F L I E D I R
K E V Q R A S K L K C T V C K K N G A S I G C V V P T C K R S Y H L P C G L Q K E C I F Q F T D N F A S F C W K H R P V Q A I T S N K Y S S
S L P C T I C L E F V E P I P T Y N I L Q S P C C K N A W F H R D C L Q V Q A I N A G V F F R C T L C N N T D I F Q K E M L R M G I H I P
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T L F N C L A Y G P E N T L P T L D D V S D I D V A Q I I I K I D S A T D L N I L N S V I S Q H Y N Y L E V S G C L R L T T S L S D K F M L
V K D I L F Y H V I N R V K A P F E S F K Q G L K T L G V L E K I Q T Y P E A F Y K I L C H K P E N L S A K N L S D L F T I H S V A D V Q T
L R F W N S Y L K A I E D G K S A T T M E D I L I F A T G C S S V P P T G F K P S L S V E C L H V D F P V A D K Y R N H L V L P A T N T Y E
E F Q E N M D F T I R D T L R L E K E E R S H I L P R T L N V S S N E E M L I
  
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SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001167963

ORF Size: 2217 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

RefSeq Size: 6703 bp

RefSeq ORF: 2220 bp

Locus ID: 217558

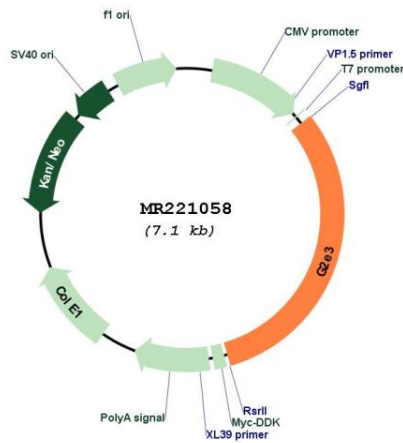
UniProt ID: [Q5RJY2](#)

Cytogenetics: 12 B3

MW: 84.9 kDa

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 MR221058