

Product datasheet for **MG217243**

Zyg11a (NM_001167936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zyg11a (NM_001167936) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zyg11a
Synonyms:	BC022150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG217243 representing NM_001167936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGTCCATTTCTTGCATCCGTTGCTGTGGCCGCGGGCCCTCGTCCTGCCCGACGCCAGCAGGACGCGC
 AGGGCCACTGCTTGGAGGAGGCATCACCTACTCATTGGTCAACATCTGTCTGGATGTCTTAATTGCTGA
 ATTGGACAAATGGTGTTCTAAAAGACCTGATGGAACATTGTGTCTTCCAGAGCATTGGTATTTCTCAT
 GAAATAGCCGATAAATTCCTTGAGAGGATGGCTTGGCAAGGAAGCTGACTGACAGAACGCGAGCATTT
 TCCAGGGCAAGCAGATGAGCCTGAAGCTCATCAATATTCGAGAGTTAACTCTCCGAGCAGCCTTCAC
 GAAAGCCTTCTGCCATCACAAGCTCATTGAAGTGAATGCCACGTCGGTGGACTCGGAGCTTCTGGCCCCA
 GACATCATCCACGCTCTCCAGAGCAGTGCCTGGATCCAGAAGAACCTCCAGTGTCTTGTGTAGACTCAG
 TCAGCATCCCTCCGAAGCTCAGGACTAGTGGCCTTGAGTCATTTCACTGGGCTTCACACTTAAAGTGTGC
 CAATGTGTCTTTTGAATGAAGACCTAGTTAGTGTCTCAGTTACCGAACCTGGGAAGCTTGGATATC
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 ACTATCTAAAGTGCCTGGCCATGAACAGCCACAGGTCCTTGCAGTTATCAGACAAGTGAATGCCTGCT
 TCACCTTGATATTTCTGATCATCAGCAGCTCAGATCAGACCTGGCTTTTATCTGTTACAGCAGAAGGAC
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 GGCCAAGTTCACGGTGTGACATGTCAGTATTGGTGACCTACAGATCTTTCAAAGCATTTTCCCACTCCT
 TGTCACCTTCTCTCAGCCAGAAGTTCAGCGCTGGGCACTGTGGGCCATACATCATGTTTGCAGTAAAAAC
 CCGAGACCTAAAGATGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

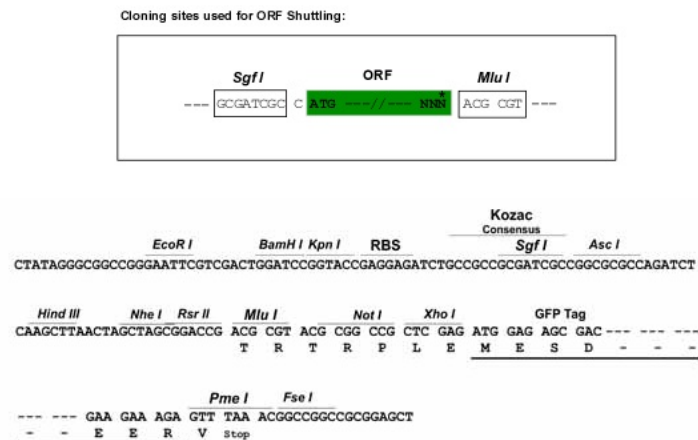
Protein Sequence: >MG217243 representing NM_001167936
 Red=Cloning site Green=Tags(s)

MVHFLHPLLWPRALVLPDAQQDAQGHCLLEASPYSLVNICLDVLI AELDKWCSKRPDGLCLPEHWYFPH
 EIADKFLERMAWQGLTDRITASIFQGQMSLKLINIPVKLSAAAFKAFCHHKLIEVNATSVDSSELLAP
 DIIHALQSSAWIQNLQCLVLDVSIPPNSGLVALSHFTGLHTLSVANVSFCNEDLVSVSQLPNLGSLDI
 SNTLVTNISALLSCKNRLRSLTMHYLKCLAMNSPQVLAVIRQLKCLLHLDISDHQQLRSDLA FYLLQQKD
 ILPNLTSLDISGGTDVTDQAVESFLQHRPAMRFVGLLYTDAGYSDFFTAKQGLKVAGGANMSQISEALSR
 YRNRSCFVKEALFRLFTETLSLRAVLPMVKLV AIGMRNHPLDLPVQFTASACALNLTRQELARGMPVRL
 LAEITDLLFKATKNFPYYQLQKNCLLSLTSSRILMDVPFDRFDAKLALRWCRRESPKLRTMAVSITS
 ILALKLSPEEMGQLQEELIMAIKELLTIIRQKLAENLDDVTFLTLKALWNLDECPLACKYFMENEGLA
 TVIRVLETFSISVIQSKVLGLNNVAEVRELSSKLVTEDVIERIISLLHSSNLEVSFLAAGVLAHLTCDR
 QHWLSRDLQRTDLLRYLHLAIQNWPSRCDMSVLVTYRSFKAFSPLLVNF SQPEVQRWALWAIHHVCSKN
 PRPKDV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001167936

ORF Size: 2118 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001167936.1](#), [NP_001161408.1](#)

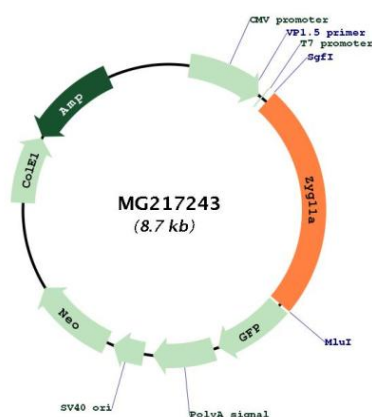
RefSeq Size: 2289 bp

RefSeq ORF: 2127 bp

Locus ID: 230590

Cytogenetics: 4 C7

Product images:



Circular map for MG217243