

Product datasheet for **MG215674**

Zyg11b (NM_001033634) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zyg11b
Synonyms:	1110046103Rik; 2810482G21Rik; D4Mgi23; Gm431; mKIAA1730
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215674 representing NM_001033634
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGAGGACCAGGCCACGCAGCCATGGAGGAAGCCTCTCCATTCTTGCTTGACATCTGCTTGA
GTTTCCTGACCACCAACCTCGAGAAGTTCTGCTCAGCAGCCAAGATGGAACCCCTGTGCTCGCAGGAGCC
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ATCAAAGAACAGCAGCAGACAGATCCCTATGTCCAGCAGATTGCTGTGGCCATTCTGGACAGTTTAGAGA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

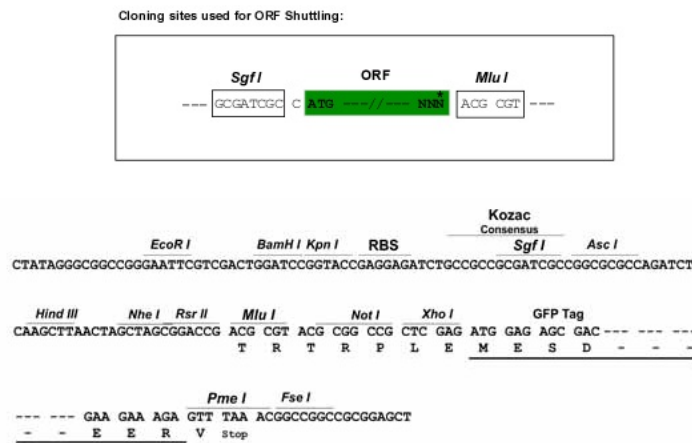
Protein Sequence: >MG215674 representing NM_001033634
 Red=Cloning site Green=Tags(s)

MPEDQAHAAMEEASPYSLLDICLSFLTNTLEKFC SARQDGTLCLEPGVFPQEVADRLLQTI AFHGLLND
 GTVGFIFRGNQMR LK RACIRKAKISAVAFRKA FCHHKLVELDATGVNADITITDII SGLGSNKWIQQNLQC
 LVLNSLTLSLEDPYERCF SRLSGLRAL SITNVLFYNEDLAEVASLPRLES DISNTSITDITALLACKDR
 LKSLTMHHLKCLKMTTQILDVVRELKHLNHLDISDDKQFTSDIALR LLEQKDILPNLVSLDVSGRKHVT
 DKAVEAFIQQRPSMQFVGLLATDAGYSEFLMGKGHLKVS GEANETQIAEALRRYSERAFFVREALFHLFS
 LTHVMEKTKPDILKLVVTGMRNHPMNL PVQLAASACVFNLTKQDLALGMPVRL LADVTHLLLKAMEHFPN
 HQQLQKNCLLSLCSDRILQDVPFNRF EAAKLVMQWLCNHEDQNMQRMAVAIISILA AKLSTEQTAQLGAE
 LFI VRQLLQIVKQKTNQNSVDTT LKFTLSALWNL TDESPTTCRHF IENQGLELFMRVLESFPTESSIQQK
 VLGLLNNAIEVQELHSEL MWKDFIDHISLLHSVEVEVS YFAAGIIAHLISRGEQAWTL SRSQRNLLDD
 LHSAILKWPTPECEMVAYRSFNPF PFLGCF TTPGVQLWAVWAMQHVC SKNPSRYCSMLIEEGGLQHLYN
 IKEHEQTDPIVYQI AVAILDSLEKHIVRHGRPPPKKQPQARLN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



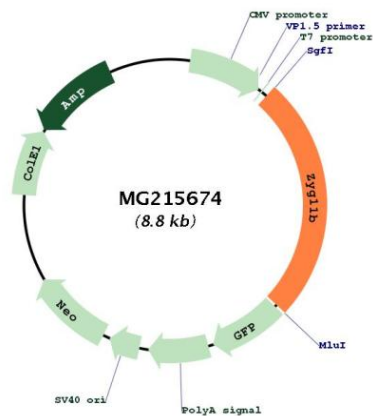
ACCN: NM_001033634

ORF Size: 2232 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001033634.3 , NP_001028806.2
RefSeq Size:	10654 bp
RefSeq ORF:	2235 bp
Locus ID:	414872
UniProt ID:	Q3UFS0
Cytogenetics:	4 C7
Gene Summary:	Probably acts as target recruitment subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG215674