

## Product datasheet for **MG216512**

### **Mex3b (NM\_175366) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Mex3b
<b>Synonyms:</b>	4931439A04Rik; M-04814; mKIAA2009; Rkhd3
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG216512 representing NM\_175366  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCAGCTCGTGTTCAGACCTGGAGCGCAACGGCAGCGCGCGCGGGGAGGCGCGCGGGG  
 GAGGCGCGGTGGCAGCGCGGGGAGAGACTCTGGATGACCAAAGAGCCCTGCAGCTTGCCTCGATCA  
 GCTCTCCCTGTTGGGACTGGACAGTATGAGGGCGCCTCTTTGTACGACAGCGAACCGCGCAAGAAGAGC  
 GTGAACATGACCGAGTGCCTGCCGGTACCCAGTTCCGAACACGTCGCGGAGATCGTAGGGAGGCAAGGTT  
 GTAAAATCAAAGCTTTGAGGGCGAAGACCAACTTACATCAAGACCCAGTTCGCGGGGAGGAGCCTGT  
 CTTTGTGTGACGGGCAGGAAGGAGGATGTGGCTATGGCTCGGAGGGAGATCATCTCTGCCGACAGAC  
 TTCTCCATGATCCGAGCCTCTCGTAACAAGAACACGGCTCTCAACGGAGCTGTGCCCGGACCGCCCAACC  
 TGCCGGGACAGACCACTATCCAAGTGAGGGTGCCATACCGCGTGGTAGGGCTCGTGGTGGTCCAAAGGG  
 CGCCACGATCAAGCGCATTCAACAGCAGACACATACATATATTGTGACACCCAGCCGAGACAAGGAGCCA  
 GTTTTCGAGGTGACTGGCATGCCAGAGAACGTGGATCGCGCTAGAGAGGAGATCGAAGCTCATATCGCGC  
 TGCGCACCGGTGGCATCATCGAGCTGACAGACGAGAACGACTTCCATGCCAATGGCAGACAGCTGGGCTT  
 TGATCTGCATCACGGGTCCGGCGGGTCCGGGCCGGGCAGCCTCTGGAGCAAGCCACCCCAAGCATCACT  
 CCTACACTGGCCCAAGCCCTTCTCCAGCTATCGAACGACAGCTCCAGCTCGCTTGGCAGCGCATCCA  
 CAGACTCTTACTTCGGTGGTGGGACCAAGCGCAGCGCAGCTGCTACTTACCGCCTGGCGGACTATAGCCC  
 TCCCAGCCCTGCACTCAGCTTTGCTCACAATGGGAACAACAATAACGGCAATGGTTACACCTACACA  
 GCGGGGAAGCCTCAGTACCTCCCCAGATGGGGTCTGAGCTGCAGCCTACTTTCGACCCAGCTCCCG  
 CCCCACCCTGGGACACCCCTTCTCTGGCCAGTTCGAGCGCTCTCCAGGAGGTGGATCTGCAGCACC  
 AGTATCCTCTTCTGCTTCTTTCGGCATCCTCATCTGCCTCGTCCTCTGTGGTCTTTCGCGGGGT  
 GGCGCCAGCAGCACACCCTCCAATGCCAATCTGGGGTCTGGTGCACCGTTCGACTGCACCCGGGACCA  
 GCTGCCCGCGCTGTCTCCGCCCTTGACATGGCCACGGGGCGGGAGAGCACCACCTTGTCTCGCCGCT  
 GCGCAGCAGCCGGGGGTGGAGGCTGGCCTACGCTGCCTATGCTAATGGCTAGGGACGACGCTCCCT  
 GGCTTCCCTCGTGGGACTTCGGGCTCCTCCTCGTCTCTAGCTCCTCCTCAGCTCTTCTCTCTCTT  
 CCTCTGGGCTGAGGCGCAAAGGACGCGGACTGCTCTGTGTGCTTCGAGAGTGAAGTGATCGCCGCGCT  
 GGTGCCCTGTGCCACAACCTTCTGCATGGAGTGTGCCAACCGCATTGTGAGAAGAGCGAGCCCGAG  
 TGTCCTGCTGCCACACGGCGTCACTCAGGCCATCCGCATTTTTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216512 representing NM\_175366  
 Red=Cloning site Green=Tags(s)

MPSSLFADLERNSSGGGGGGGGGGGGGGGGGETLDDQRALQLALDQLSLLGLDSEGLSLYDSEPRKKS  
 VNMTECVPPSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPVFVVTGRKEDVAMARREIISAAEH  
 FSMIRASRNKNTALNGAVPGPPNLPQTTIQVRVPYRVVGLVVGPKGATIKRIQQQTHYIIVTPSRDKEP  
 VFEVTPMPENVDRAREEIEAHIALRTGGIIEIETDENDFHANGTDVGFDLHHGSGSGPGSLWSKPTPSIT  
 PTPGRKPFSSYRNDSSSSLSASTDSYFGGTSGSAAATSRLADYSPPSPALSFANNGNNNNNGYTYT  
 AGEASVSPDGGPELQPTFDPAAPPPGTPLLWAQFERSPGGSAAPVSSSSSSSSSSSSSVVFPGG  
 GASSTPSNANLGLLVHRRHPGTSCPRLSPPLHMATGAGEHLLARRVRSPPGGGLAYAAAYANGLGTQLP  
 GLPSSDTSGSSSSSSSSSSSSSSSGLRRKGRDCSVCFESEVIAALVPCGHNLFMECANRICEKSEPE  
 CPVCHTAVTQAIRIFS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_175366

**ORF Size:** 1728 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.

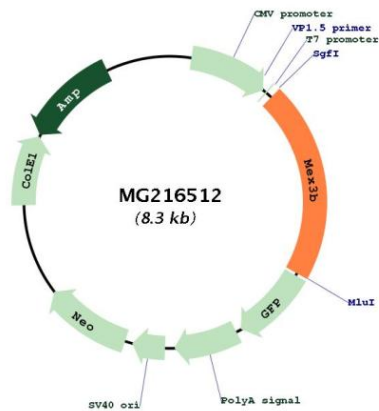
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_175366.3](#), [NP\\_780575.2](#)

**RefSeq Size:** 3416 bp

RefSeq ORF: 1731 bp  
 Locus ID: 108797  
 Cytogenetics: 7 47.35 cM

**Product images:**



Circular map for MG216512