

## Product datasheet for **MG215008**

### **Fam124b (NM\_173425) Mouse Tagged ORF Clone**

#### **Product data:**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | TurboGFP                |
| <b>Symbol:</b>                   | Fam124b                 |
| <b>Synonyms:</b>                 | A830043J08Rik           |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)  |



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**ORF Nucleotide Sequence:** >MG215008 representing NM\_173425  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGATGAGATACAGGAACCTCTAGCCTTGACTGTGCATCTTCTTCCGACACTGGGAACGGTTTGCTTC  
 TGCAGCAGGCTCTGGACCAACTACTAGAATGTATCTGCCCAGAGGTGCGTCTCTTCCCTGGTGTCTGAACG  
 TGCCAGGCCAGTGAACATACATGAAAAGTACCACCCGCGGAGGGCCCGCTTCCAGGAATGTCTGTTTTG  
 CTCTTCTCAGGAAAGCCTGGGACAAGAACGGTTGTTTCGAGTCTTGGACTTCTACGGCGTTACCCT  
 GGCAGGGTTTCCCTACCCAGCATGCACAGGGGAGGTCTTGTCTTATCTCCCTGCCAATCAGGAATTCTA  
 CAGCTCGACAACCAGATGCCAGTGTGGGCATGAGGCCAGTGAATTGTGGCACTGATATCCTCAGGGTG  
 ACTCTGTACTGCAGTTTTGATAACTATGAAGATGCCATCAGACTCTATGAGATGCTTCTACAGAGAGACG  
 CCAGTGTGCAAAAGAGCGACTTCTGTTTCTTTGCTCTATGCCACCGAGGGCTTCAGCCTGCAGCTCTC  
 TCTGAAGCAGCTGCCCTGGGAATGTCAGTAGACCCCAAGGAGTCTTCTGTGCTGCAGTTCAGGGTTCAA  
 GAGATTGGGCAGCTGGTGCCTCTTCTACCAATCCGTGTGCCATCAGCAGCGCAGGTGGCAGACTC  
 AGGACTATGATGGCAATAAGATTCTGCTGCAGGTCCATCCGAAGCCAGGAGTTGGCATTAAAAATGGTGA  
 GCATCCCTTCTGAACGGCTGCTTGAGAGGTGACACACATCCACAGGACTCCAGTCTGAACTCCGCTCC  
 ACACAGAGAACCTTGGAGCCAAGGAGCCGAGGAGGAGCAGGAGTCCGAGGTTCAAAGTACATTCGCTGG  
 AGCTTCCACAACCCAGTGGCTCATGGGAAAACCTACTGACCTTTGTGGAGAAGGCTTGGCTGGTCCAC  
 CCTGGCCGACAGCTCCGCGTCAGGCATGCAGCAGCGCCGACTGTCTATCCCATAGAACCCAAAGATGGGA  
 AGGAACGTTCTTAGAGAAGATGGCTTTGAGAAGCTCGAGGCGGAGACAAATGTTGACACTGGCTTACCA  
 TCATCAATCCGAACCCAGGCGATCTTTCCGAGCAGATTTCCAGGGATTTTCAGAGCAGCCAACCACC  
 ACGCTGCTTGTGAGGCTTTCCTTAGAGGTAAGTCTCCCAACCAAGGAGTCTTTAAGGATAGACTC  
 CACCCTCTGTCACTTCTAGTCAAAGGGACTTTGGTGCAAAGAAGGTCATCTCAAATGTTCCCATCATC  
 TGCAGGCCAGGGTGAAGAGAAAGAAGATTCTTTATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215008 representing NM\_173425  
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MDEIQEPLALTVHLLADTGNLLLLQQALDQLLEICPEVRLFLVSEARPVNYHEKYHPRRARFPGMSVL  
 LFLQESLQGQERLFRVLDLRRSPWQGFPTQHAQGRSCSYLPANQEFYSLHNQMPVWGMRPVNCGTDLRV  
 TLYCSFDNYEDAIRLYEMLLQRDATVQKSDFCFFVLYATEGFSLQLSLKQLPLGMSVDPKESVQLQFRVQ  
 EIQQLVPLLPNPCVPISSARWQTQDYDGNKILLQVHPKPGVGIKNGEHPFLNGCLRGDTHPQDSSLNSVS  
 TQRTLEPRSRRRSRRFKVSLELPQPSGSWENSTDPLWRRLGWSTLADSSASGMQQRRLSIPIEPMK  
 RNVLREDGFLEAETNVDTGFTIINSEPRRSFRFPRDFQSSQPPRCLSGSSLEVTASPNQGVFKDRL  
 HPLSLPSQRDFGAKKVISKCSHHLQAQGEKEEFFI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_173425

**ORF Size:** 1368 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:**

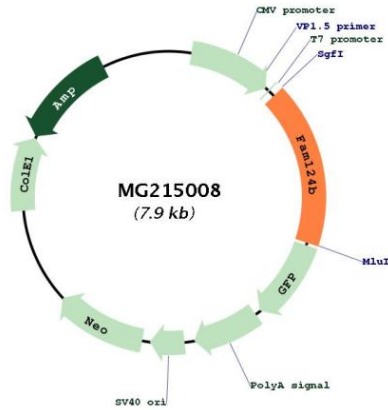
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_173425.3](#), [NP\\_775601.1](#)

RefSeq Size: 2862 bp  
 RefSeq ORF: 1371 bp  
 Locus ID: 241128  
 UniProt ID: Q8BLQ0  
 Cytogenetics: 1 C5

**Product images:**



Circular map for MG215008