

## Product datasheet for **MG216550**

### 4931440F15Rik (NM\_176829) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	4931440F15Rik
<b>Synonyms:</b>	Fem1ab
<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:** >MG216550 representing NM\_176829  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCTGCACACAGCGGTGTACAATGCGGCGCACGACGGCAAGCTGCCTCTGCTGCAGAACTGTTGG  
 CCAGCCGTGGGCGTGAGGAGCTGGAGGAGCTGCTGGGTGAGGTGGCCGGCGGTGGAACGCCACTGCTAAT  
 CGCAGCGCGCCGTGGACACCTAGACGTGGTGGAGTATCTGGTGGACCACTGCGGCGCCAGCGTGGAGGCG  
 AGTGGCTCTGTGCACTTCGATGGCGAGACCATCGAGGGCGCCCGCCGCTCTGGGCAGCGTCGGCCGCGG  
 GTCACCTGGCCGTGGTGCCTTCTGCACCGAGGGCCCTCGGTCAACCGCACCACTGCACCAACT  
 CACGCGCTGCGCGCCGCTGCTTCAACGGCCACCTGGAGCTGGTGGCTGCTGGTGGGCGAGCACAAG  
 GCGGACCTGGAGGTGGCCAATCGCCACGGCCACACGTGCCTTATGATCTCCTGCTACAAGGGCCACCGCG  
 AGATCGCACGCTACCTGCTGGAGCGCGGCGCACAGGTGAACCGGCGCAGCGCCAAGGGCAACACCGCCCT  
 GCACGACTGTGCAGAATCTGGCAGCCTGGAGATCTACAACGCTGCTGAGCTGCCACGCGCGCATGGAG  
 CGCGACGGCTATGGCATGACGCCGCTGCTGGCCGCCAGCATCACTGGGCACACCAACATCGTGGAGTACC  
 TCATCCAGGAACAGCCGAGCCACGAGCAGCTCTCAGGGACAGAGCTTCTGGAGAAGGCTCCTCCAGAT  
 GGCAGGAAACCACTGCTCCACCCAGAAGATGCAGAACAGTATGAGAGCTGCTGCCCTACCAGCCGGGAA  
 CGCGCTGTGGAAGCTTTGGAGCTGCTGGGTGCCACCTATGTGGATAAGAAAAGGGATCTGCTTGGAGCCC  
 TGAAGCACTGGAGAAGGGCGATGGAACCTCGCCACCAGGGTGGAGGCTTCTCCCTAAGCCAGAGGCCCA  
 GCAACTGGTTCTGGCCTATGACTATTCCAGGGAGGTGACTACGCCTCAAGAGTTGGAAGCCCTCATTACA  
 GATCCTGATGAGATGCGGATGCAGGCGCTGCTGATACGGGAGAGAATCTTGGGCCCTCACATCCTGACA  
 CTTCACTACATACGGTACCAGGGTGTCTGCTATGCGGACTCCGGGAATTCGAGCGCTGTATCCGCTCT  
 GTGGAAGTATGCCTTGGACATGCAACAAAACAACCTGGAGCCCTGAGCCCATGACCGCCAGCAGCTTC  
 CTGTCGTTTGACAGACTCTTCTCCTACGTGCTGCAGGACCACTCGGCCAAGGGCAACCTAGGCATGCAGC  
 TTGACTTTGCCGACCTCATAGGTGTCTCAGAAAGGGTTGCGGAAGTGAACGGGCTCTGCAGCTGCC  
 CAAGGAACCGGATGACTCCGCACAGTTCACAAAGCCATTGCCATCATCTCCACCTTCTGTACCTATTG  
 GAGAAGGTGGAGTGCACCCCAAGGACAGCAACCTCAAGCACAGACAGTCTATCGCCTGCTCAAGTGTG  
 CCCCTCGTGGCAAGAAGCGCTTACCCCACTACACATGGCGGTGGACAAGGAGACCACCAACGTGGGCCA  
 GTATCATGTGGCGTCTCCCGTCACTGCAGGTGGTCAAGGTGCTGTTGGACTGCGGAGCAGACCCTGAC  
 AGCAGGGATTCGACAACAACAGCCCACTGCACATCGCTGCCAGAACAAATGCCCAGCCATCATGGATG  
 CTCTCATCGAAGCTGGGGCCACATGGACGCCACCAATACCTTCAAAAAGACTGCCTATGAGCTGCTGGA  
 CTCGAAGCTGTTGGCCAAGAGCACCGTGCAGCCCTCAATTATGTGACACTGCAGTGCCTAGCTGCCCGT  
 GCCCTGGACAGGAACAAGTCCCTATAAGGGCTTCATCCCAGAGGAGCTGGAGGCCTTCATCCAGTTGC  
 AC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG216550 representing NM\_176829  
 Red=Cloning site Green=Tags(s)

MDLHTAVYNAHDGKPLLLQKLLASRGREELEELLGEVAGGGTPLLIAARRGHLDVVEYLVDHCGASVEA  
 SGSVHFDGETIEGAPPLWAASAAGHLAVVRSLLHRGASVNRTTCTNSTPLRAACFNHGLDVVRCLVGEHK  
 ADLEVANRHGHTCLMISCYKGHREIARYLLERGAQVNRRSAGNNTALHDCAESGSLEILQLLLSCHARME  
 RDGYGMTPLLAASITGHTNIVEYLIQEQPSHEQLSGTELPGEGSSQMAGNHCSTPEDAEQYESCCPTSRE  
 AAVEALELLGATYVDKRDLLGALKHWRRAMELRHQGGGFLPKPEPQQLVLAIDYSREVTTTQPELEALIT  
 DPDEMRMQLLIRERILGPSHPDTSYYIRYRGAVYADSGNFERCIRLWKYALDMQQNNLEPLSPMTASSF  
 LSF AELFSYVLQDHSAGNLMQLDFADLIGVLSKGVREVERALQLPKEPDDSAQFTKAI A I I L H L L Y L L  
 EKVECTPRQEHLKHQT VYRLLKCAPRGKNGFTPLHMAVDKETT NVGQYHVGVPFSLQVVKVLLDCGADPD  
 SRDFDNN SPLHIAAQNNCPAIMDALIEAGAHMDATNTFKKTAYELLD SKLLAKSTVQPFNYVTLQCLAAR  
 ALDRNKVPYKGF IPEELEAFIQLH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_176829

**ORF Size:** 1962 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\\_176829.2](#), [NP\\_789799.1](#)

**RefSeq Size:** 3274 bp

RefSeq ORF: 1965 bp

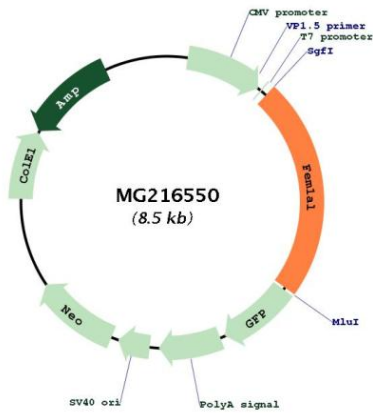
Locus ID: 216622

UniProt ID: [Q8C0T1](#)

Cytogenetics: 11 A3.3

**Gene Summary:** Probable component of an E3 ubiquitin-protein ligase complex, in which it may act as a substrate recognition subunit. May participate in antiinflammatory signaling via its interaction with PTGER4 (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG216550