

## Product datasheet for **MG213746**

### Fam110a (NM\_146127) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam110a (NM\_146127) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fam110a  
**Synonyms:** 1700008J10Rik; 5430432M24Rik; AI747080  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG213746 representing NM\_146127  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCTGTGGATACGCTGAGCCCCGGAGCCCCGCCACTCCCGCCTACCTTTTCGCTGAGAACCAAGG  
TTCCCGGCTACCTGCTACCAAGGCCAGCAGACGGGGGAGCCAGGAAACCGAGTGTGTGGAACGCCTGGA  
GGCTGATAAGGCTAAGTACGTCAAGAGCCTGCGTGTGGCCAACACCCGCCAAGAGCCGGTGCAGCCCCG  
CTGGTCAGACAGCCCCTTTCAGCCCTGGTCTCGCGGCCAGTGTCTCACCCAGTCGCCGAGTCTCTGC  
CCTGTTCTGGCCCGGCCCAACTGGACCTCGACATCCTTAGCAGCCTCATCAACTTGTGTGATAGTCC  
TGTGTCCCATCTGAGGCCAGCCGAACACTGGAAGGCCAGAAGGATCTGCCACAAGGTCCCACCAGCC  
ACCCCTCCTCGTCCGCCACCCAGTACTGTGCGGGTGCGCCGAGTGGACGTTGCTCCCTTGCTGTTTAC  
CTGCTCGGCCCTATCCATCACCTGGCACCCTACCACTTCCAGCCCCGGCCGGCCCCCTGGCCTGCAGCG  
GTCCAAGTCGGACTTGAGTGAGCGCTTTTCCAGGGCAGCAGCCGATCTTGAGCGCTTTTTAACTTCTGT  
GGCCTGGACCCAGAGGAAGCGCGAGGATTGGGGTGGCCACTTAGCAAGGGCCAGCTCGGACATCGTGT  
CTTAGCCGGCCAAGTGTGACCTTGCAGCTCTGAAGGGGCTGTCTCACGCCGAGCTCTGCTACAGT  
GGAAGAGCGGTCCCTGGATCGTGTCCCCATGGGGTGTCTGTGATCGAGCGAAACGCTCGTGTGATCAAG  
TGGCTATATGGGTTGCGGCAGGCTCGTGACCCTCCACCCTGAGGGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG213746 representing NM\_146127  
Red=Cloning site Green=Tags(s)

MPVDTLSPGAPATPALPFRRLRTKVPGYLLPRPADGGARKPSAVERLEADKAKYVKSLRVANTRQEPVQPP  
 LVRQPLFSPGPRGPVLTPSRRVLPSCGRRPQLDLIDLSSLINLCDSPVSPSEASRTPGRPEGSAHKVPPA  
 TPRPPPTVAVRRVDVRPLPASPARPYPSPGTTTTSSPGRPPGLQRSKSDLSERF SRAAADLERFFNFC  
 GLDPEEARGLGVAHLARASSDIVSLAGPSAGPCSSEGGCSRRSSATVEERSLDRVPYGVSVIERNARVIK  
 WLYGLRQARDPPTTEG

TRTRPLE - GFP Tag - V

**Restriction Sites:**

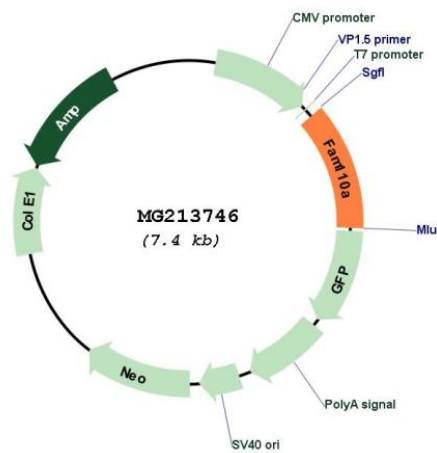
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_146127

**ORF Size:** 888 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_146127.3</a>
<b>RefSeq Size:</b>	1769 bp
<b>RefSeq ORF:</b>	891 bp
<b>Locus ID:</b>	73847
<b>UniProt ID:</b>	<a href="#">Q8R184</a>
<b>Cytogenetics:</b>	2 G3