

Product datasheet for **MG204104**

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:	>MG204104 representing NM_146127 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGTGGATACGCTGAGCCCCGGAGCCCCGCCACTCCCGCCTACCTTTTCGCCTGAGAACCAAGG
TTCCCGGCTACCTGCTACCAAGGCCAGCAGACGGGGGAGCCAGGAAACCGAGTGTGTGGAACGCCTGGA
GGCTGATAAGGCTAAGTACGTCAAGAGCCTGCGTGTGGCCAACACCCGCCAAGAGCCGGTGCAGCCCCG
CTGGTCAGACAGCCCCTTTCAGCCCTGGTCTCGCGGCCAGTGTCTCACCCAGTCGCCGAGTCTCTGC
CCTGTTCTGGCCCGGCCCAACTGGACCTCGACATCCTTAGCAGCCTCATCAACTTGTGTGATAGTCC
TGTGTCCCATCTGAGGCCAGCCGAACACTGGAAGGCCAGAAGGATCTGCCACAAGGTCCCACCAGCC
ACCCCTCCTCGTCCGCCACCCAGTACTGTGCGGGTGCGCCGAGTGGACGTTGTCCTTGGCTGTTTCCAC
CTGCTCGGCCCTATCCATCACCTGGCACCCTACCACTTCCAGCCCCGGCCCGGCCCTGGCCTGCAGCG
GTCCAAGTCGGACTTGAGTGAGCGCTTTTCCAGGGCAGCAGCCGATCTTGAGCGCTTTTTAACTTCTGT
GGCCTGGACCCAGAGGAAGCGCGAGGATTGGGGTGGCCACTTAGCAAGGGCCAGCTCGGACATCGTGT
CTTAGCCGGCCAAGTGTGGACCTTGACGCTCTGAAGGGGCTGTCTACGCCGACGCTCTGCTACAGT
GGAAGAGCGGTCCCTGGATCGTGTCCCTATGGGGTGTCTGTGATCGAGCGAAACGCTCGTGTGATCAAG
TGGCTATATGGGTTGCGGCAGGCTCGTGACCCTCCACCCTGAGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204104 representing NM_146127
Red=Cloning site Green=Tags(s)

MPVDTLSPGAPATPALPFRLR TKVPGYLLPRPADGGARKPSAVERLEADKAKYVKSLRVANTRQEPVQPP
 LVRQPLFSPGPRGPVLTPSRRVLPSCGRRPQLDLIDLSSLINLCDSPVSPSEASRTPGRPEGSAHKVPPA
 TPRPPSTVAVRRVDVRPLPASPARYPSPGTTTTSSPGRPPGLQRSKSDLSERF SRAAADLERFFNFC
 GLDPEEARGLGVAHLARASSDIVSLAGPSAGPCSEGGCSRRSSATVEERSLDRVPYGVSVIERNARVIK
 WLYGLRQARDPPTTEG

TRTRPLE - GFP Tag - V

Restriction Sites:

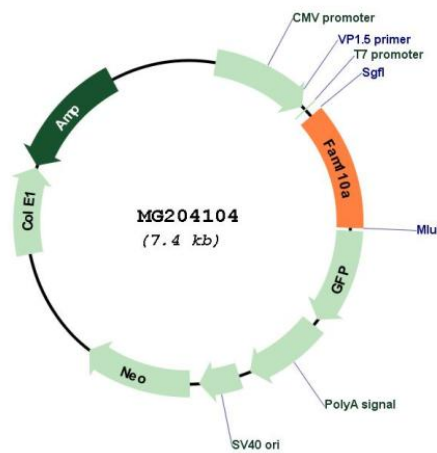
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_146127

ORF Size: 1753 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.
RefSeq:	NM_146127.3
RefSeq Size:	1689 bp
RefSeq ORF:	891 bp
Locus ID:	73847
UniProt ID:	Q8R184
Cytogenetics:	2 G3