

## Product datasheet for **MG207157**

### Fam161a (NM\_028672) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam161a (NM_028672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam161a
Synonyms:	4930430E16Rik; RP23-160F12.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207157 representing NM\_028672  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAAATAGAGAAATGTACCAGGACAAGCTAAATATAAAGACATCCAGGCGGGTTCATCAGGG  
 ATGGGATCAGCGATTCGTCTTCGAGTTCTGCATCGGAAAAGAGCTGCTCACATCCTGCCTTGTCAGTGAC  
 CTCACCTTCAGAGCCTGACCTAGACGGGTCGTCTCCTTGTCCCACTACTGATGAGGGTTGCCCGAC  
 CTAGAGGAAAAGACTCCCGGGAAAGCAGCGCAATGGTCCATGCCAGGAGCTCATAAACACATGTGGA  
 ACGACTTTTCTGTTGAAGATTATATTCAGTATGACTCAGACTCCCGAACAGCTAAGAAAAAAGGAAGAA  
 AGCTAAATCCTTGACACCAAGATTACAGTGCCTGTACCCTTTGAAATGACGGTAAGAGAGCAGAATCGG  
 AGAGAGAAGGCCCTTGAGTCTCGGTCAGATCTGGAAACAAAGCTGCTCAAGAGGGACGAGGACGATCGAG  
 AGTGTAAAGAAGAAATCCGAGCCAATCCCGTTCCTTCTGCGTGTCTCTCCCTTTATGAGGATCTAGT  
 CAAGCAGAGTGAGGAGCGCCGGAAGAAGGCCCGGAGAGGAACAGAGCTGCGCTCCTGGCCTCCCTGAAG  
 CCCTTTAAGTTCATTGCGAGGGAGGAACAGAAGCAAGCAGTCCGCGAGAAGAAGCTGAGAGACCTTTTAA  
 GGGCTAAAAGGAAAACGAATCAGTTTAAAGCAAACCTGTGCCTCGTTTTATTTACAGGCCAGCTGCGAG  
 TGACAAGCCAAAGGAAGAAGAGCTCTATGGGGACAGCAGGATGCTGCCAAAGGTCAGAGATCTGTTACAG  
 AATTCGCCTTGCCCAAGTCGGTCAGCTTGACAGCTTTCAGGGACCCAGAAAGTCTGCAAAGCCCGGG  
 GTAACACAGGCGTAGGTGCCTGAGGCGTGATGGAGACTTAGAAAAATGGAAGGAGCCCTTCTCTGAATA  
 CAGCTTTCTGAAATGCCCAATGCTTTGTGAAGAGTGTGTCTTCACGAATCCCTTGTGACTCTGATAAA  
 AGACAGAAACTCTGGCAGACATCAGAGCAGATGAAGAAATTTGAGAGAAACACGACGGCCGGTCTGGT  
 CTCTTAGGCGAAGTACCCGGGAAGAAGCTCGAACCCAAAGCCAGGCCCTCATGAATGCAGCCACCGAT  
 GCCCACCGCTCTTCCCGAGGGCGGAGCAAGCCATCAGAAGGAGTGAAGAAGGCCAGGATGAGAGAATAT  
 TGGCAAGAACTGGAGGAACAAGAGGAAAACTGCAGAAGAGGCCGATGTTGTTTGAAGAGTCACCCAGG  
 TTGTGTTATTGGT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207157 representing NM\_028672  
 Red=Cloning site Green=Tags(s)

MSKLEKMYQDKLNIKDIQAGFIRDGISDSSSSSASEKSCSHPALSVTSLSEPDLDGSSSLSTTTDEGLPD  
 LEEKTPGESSAMVHAQELINNMWNDFSVEDIYQYDSDSRTAKKKRKKAKSLTPKITVVPVFEMTVREQNR  
 REKALSARSDLETKLKRDEDDAECKKKFRANPVPSCVLLPLYEDLVKQSEERRKKARERNRAALLASLK  
 PFKFIAREEQQAVREKKLRDLFRAKRKTNQFKAKPVPRFIYRPAASDKPKEEELYGDSRMLPKVRDLLQ  
 NSPWPSRSACRRFRDPRSPAKPRGKRRRCLRRDGDLEKWKEPFSEYSFLKCPMLCEECLHESPCDSK  
 RQKLLADIRADEEILRETRRPGRSPRRKSPGRSSNPKPRPHECSPMPPTASSRGREQAIRRSEKARMREY  
 WQELEEQEELQKRPMLFERVTQVVF IG

**TRTRPLE** – GFP Tag – V

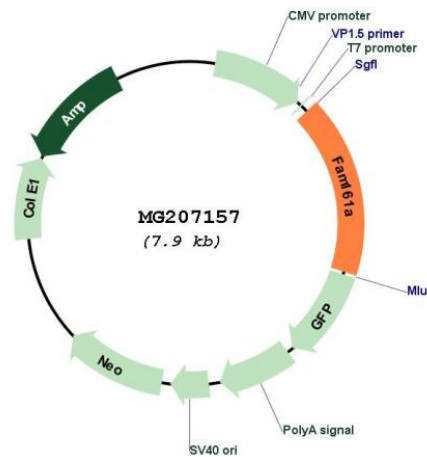
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_028672

ORF Size: 1344 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.

<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>	<u><a href="#">NM_028672.1</a></u> , <u><a href="#">NP_082948.1</a></u>
<b>RefSeq Size:</b>	1941 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	73873
<b>UniProt ID:</b>	<u><a href="#">Q8QZV6</a></u>
<b>Cytogenetics:</b>	11 A3.2
<b>Gene Summary:</b>	Involved in ciliogenesis.[UniProtKB/Swiss-Prot Function]