

## Product datasheet for **RG209868**

### **FAM71F2 (NM\_001012454) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM71F2 (NM_001012454) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM71F2
Synonyms:	FAM137B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209868 representing NM_001012454 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAAATCAGGGGCCTCCACCTGAGGTCAGGGAACCAGGCCCTGGAGTGGAACTGGGGTGGAAA  
ATGGCCTTCTTTGTCACTGATTCATTCTCCAGAATCAATTTGTTCTCCAACCTCGGTGGTGTGAAAAG  
CAACTTTATCCAGACCCATGTACCTGAGGCTGATTTCCAGGTCACCTAAGCCCGGGAACCTGGAGAGATGTC  
TGTGAAGGCTGCCACCGTGATCCTCGGGTCACCTCCTCGGTGCCCTCCTGCCACTCCCAATGTCC  
TCCTGATGGCCAATGTTACCTGGCCCCAGGGTCCATTTACCACCTGGAGCACACCTGGTGACGCCCCAGT  
CATCAACCTCAGCAGGCTTCTCCCTGAAGTAGTGGAGCTACGAATCTACGACCGGCTCCAGCGCATC  
CTGAGGGTTAGGACAGTGACCGAAAAGATCTACTATCTGAAGCTCCACGAAAAACCCAGAGATTGTGT  
TTCAATTCTGGGTCCGCTTGGTAAAAATCTGCAGAAAGGCTGTCCATCACCACCAAAGACCCGAGAAT  
CAAATTCACCTCACTGCCTGGTGCCCAAGATGCCACCACTCCACAGAAACAACCTGAAAACAGCCTC  
CTGTATCCCCCAGCCAGCGAGCCCCCTGTGCTGCTGGCGGCTGAGCAGACCAGTGGCAGTTTCTCAC  
AGCTCTCAGGAAAGCCCCAGCTCACAGCAGACAGGAACAATGACACTGCCATTGAAATAGACAACTGCAG  
CAGCTACAAGATACCCTCTCCAGTGGCATCTCCAATCAATTTGAATATACCCATGAGAGCTGCCTTGAGC  
CACAGCCTCTGGGAACAAGAGGACTGGAATGAGCACCTTCTACAAGTTCATATAGCCAGTTACCTAGGAG  
AGCACTTCTTGGGAGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209868 representing NM\_001012454  
 Red=Cloning site Green=Tags(s)

MSKIRGLPPEVREPGVPGVELGVENLLCQLIHSPEFNLFNSVVFESNFIQTHVPEADFQVTKPGNWRDV  
 CEGSATVILGVTSSVPSLPLPNVLLMANVTWPQGPFTTWSTPGDAPVINLSRLLPLKYVELRIYDRLQRI  
 LRVRTVTEKIYYLKLHEKHPEIVFQFWRLVKILQKGLSITTKDPRIKFTHCLVPKMPNSTETTPENSL  
 LSSPQPSEPLVLLAAEQTSGSFSQLSGKPQLTADRNNDTAIEIDNCSSYKIPSPVASPINLNIPMRAALS  
 HSLWEQEDWNEHLLQVHIASYLGEHFLGA

TRTRPLE - GFP Tag - V

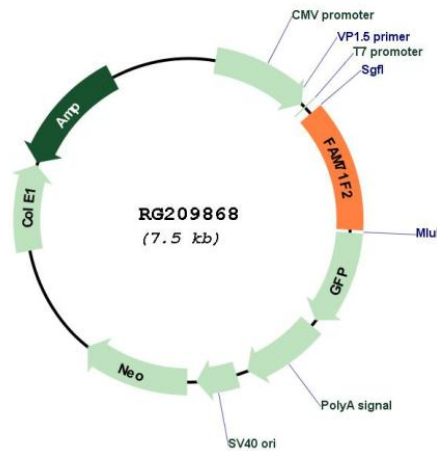
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001012454

**ORF Size:** 927 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_001012454.6</a>
<b>RefSeq Size:</b>	1333 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	346653
<b>UniProt ID:</b>	<a href="#">Q6NXP2</a>
<b>Cytogenetics:</b>	7q32.1