

## Product datasheet for **MG214177**

### Fam228b (NM\_175431) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam228b (NM_175431) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam228b
Synonyms:	A830093I24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214177 representing NM_175431 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCACAATGAAAAATAGGAGCCAAGATGATATGGTGACGGGCACACTCCCCAAGCTCAAGAGCTCCA  
AAGAATGGTTGGAACCACAGTCGCTTTCTTTTATGGAGGCTTTAGCTAAAGAAGATACTGATGCAGCTGT  
TCAATCAATTTTATAGAGAAAATTATATTATGAAGGAAGTATAGATAAGTATTTACATCATCAAGACTTC  
TTAAACACAAGAAGAAAAGAGATGCTGTATAAAAAAGTGGGTTGAACGTGTGGCAGATCCTCTCCAGAAGA  
AAATTATAGAAAAGTTCATTACATAAGAACATTA AAAAGAGGAGACGTCAAGAATTAGACAATTTTTT  
GAAACATTCAAATAAGAAGGGAATGCATTTATAGAGCATTATGATCCAAAAGAATATGATCCTTTTTAT  
ATGAGCAAAGAGGACCCCAATTTCTGAAGGTTATCATGCCACCGTTTCGTGACCCCTTGAAAAAGCCC  
AATATGACCAGGATGATGAAAAAGAACCCTTCTGCAGTGTGAGACTGGCAAAATCTATACAATGAAAGA  
ATTTAAAGAGATCGAGAAGGCCAGTTGCATTCCAGATTTCCGAGTATTTCTAATTCAAGGCAAAGTATG  
ACTCCAAATGGATGGCTTAAAGTGCCCATGAGTTATATAGAAAAGTGAATTTGTAAAAAGAGCAGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214177 representing NM\_175431  
 Red=Cloning site Green=Tags(s)

MTTMKNRSQDDMTGTLPLKSSKEWLEPQSLSFMEALAKEDTDAVQSILYRENYIMKELDKYLHHQDF  
 LNTRRKEMLYKKWVERVADPLQKKIEKVHSHKNIKRRRQELDNFLKHSNKKGNAFIEHYDPKEYDPFY  
 MSKEDPNFLKVIIMPPFRDPLKKAQYDQDDEKRTLQ CETGKIYTMKEFKEIEKAQLHSRFP SISNSRQSM  
 TPNGWLKVPMSYIESEFCKKSR

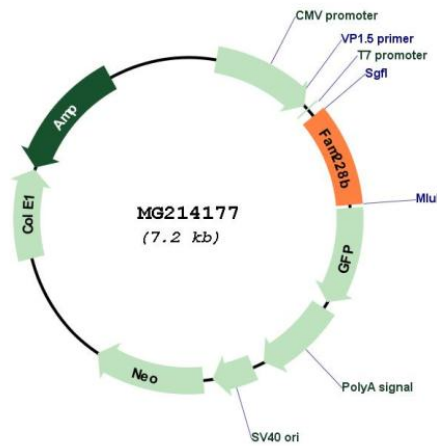
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175431

**ORF Size:** 696 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_175431.5</a>
<b>RefSeq Size:</b>	2886 bp
<b>RefSeq ORF:</b>	699 bp
<b>Locus ID:</b>	207921
<b>UniProt ID:</b>	<a href="#">Q497Q6</a>
<b>Cytogenetics:</b>	12 A1.1