

## Product datasheet for **RG232208**

### **PAMM (FAM213A) (NM\_001243778) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PAMM (FAM213A) (NM\_001243778) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PRXL2A  
**Synonyms:** Adrx; C10orf58; FAM213A; PAMM  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG232208 representing NM\_001243778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTTCTCCAGGACCCAAGTTTCTTACCATGGGGATGTGGTCCATTGGTGCAGGAGCCCTGGGG  
 CTGCTGCCTTGGCATTGCTGCTTGCCAACACAGACGTGTTTCTGTCCAAGCCCCAGAAAGCGCCCTGGA  
 GTACCTGGAGGATATAGACCTGAAAACACTGGAGAAGGAACCAAGGACTTCAAAGCAAAGGAGCTATGG  
 GAAAAAATGGAGCTGTGATTATGGCCGTGCGGAGGCCAGGCTGTTTCTCTGTGAGAGGAAGCTGCGG  
 ATCTGTCTCCCTGAAAAGCATGTTGGACCAGCTGGGCGTCCCCCTCTATGCAGTGGTAAAGGAGCACAT  
 CAGGACTGAAGTGAAGGATTTCCAGCCTTATTTCAAAGGAGAAATCTTCCCTGGATGAAAAGAAAAAGTTC  
 TATGGTCCACAAAGGCGGAAGATGATGTTTATGGGATTTATCCGTCTGGGAGTGTGGTACAACCTTCTCC  
 GAGCCTGGAACGGAGGCTTCTCTGGAAACCTGGAAGGAGAAGGCTTCATCCTTGGGGGAGTTTTCTGGT  
 GGGATCAGGAAAGCAGGGCATTCTTCTTGGACCCGAGAAAAAGAATTTGGAGACAAAGTAAACCTACTT  
 TCTGTTCTGGAAGCTGCTAAGATGATCAAACCACAGACTTTGGCCTCAGAGAAAAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG232208 representing NM\_001243778  
Red=Cloning site Green=Tags(s)

MSFLQDPSFFTMGMWSIGAGALGAAALALLANTDVFLSKPQKALEYLEDIDLKLEKEPRTFKAKELW  
 EKNGAVIMAVRRPGCFLCREEAADLSSLKSMQLDQGVPL YAVVKEHIRTEVKDFQPYFKGEIFLDEKKKF  
 YGPQRRKMMFMGFI RLGWVYNFFRAWNGGF SGNLEGEGLGGV FVVGSGKQGILLEHREKEFGDKVNLL  
 SVLEAAKMIKPQTLASEKK

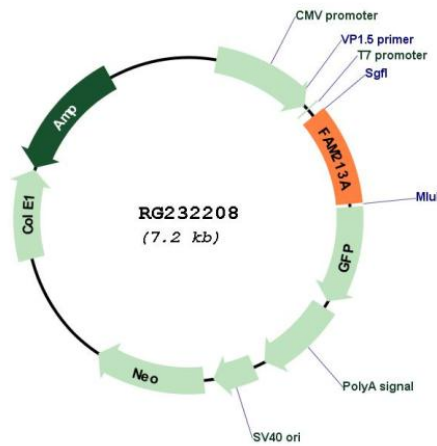
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001243778

**ORF Size:** 687 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_001243778.1</a> , <a href="#">NP_001230707.1</a>
<b>RefSeq Size:</b>	1673 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	84293
<b>UniProt ID:</b>	<a href="#">Q9BRX8</a>
<b>Cytogenetics:</b>	10q23.1
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Gene Summary:</b>	Involved in redox regulation of the cell (PubMed:26438880, PubMed:19951071). Acts as an antioxidant (PubMed:19951071, PubMed:26438880). Inhibits TNFSF11-induced NFKB1 and JUN activation and osteoclast differentiation (PubMed:19951071). May affect bone resorption and help to maintain bone mass (PubMed:19951071). Acts as a negative regulator of macrophage-mediated inflammation by inhibiting macrophage production of inflammatory cytokines, probably through suppression of the MAPK signaling pathway (PubMed:26438880). [UniProtKB/Swiss-Prot Function]