

Product datasheet for **RG232173**

PAMM (FAM213A) (NM_001243781) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAMM (FAM213A) (NM_001243781) 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:	>RG232173 representing NM_001243781 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGATGTGGTCCATTGGTGCAGGAGCCCTGGGGGCTGCTGCCTTGGCATTGCTGCTTGCCAACACAG
ACGTGTTTCTGTCCAAGCCCCAGAAAGCGGCCCTGGAGTACCTGGAGGATATAGACCTGAAAACACTGGA
GAAGGAACCAAGGACTTCAAAGCAAAGGAGCTATGGGAAAAAATGGAGCTGTGATTATGGCCGTGCGG
AGGCCAGGCTGTTTCTCTGTCGAGAGGAAGCTCGGATCTGTCCTCCCTGAAAAGCATGTTGGACCAGC
TGGGCGTCCCCCTCTATGCAGTGGTAAAGGAGCACATCAGGACTGAAGTGAAGGATTTCCAGCCTTATTT
CAAAGGAGAAATCTTCTGGATGAAAAGAAAAAGTTCTATGGTCCACAAAGCGGAAGATGATGTTTATG
GGATTTATCCGTCTGGGAGTGTGGTACAACCTTCTCCGAGCCTGGAACGGAGGCTTCTCTGAAAACCTGG
AAGGAGAAGGCTTCATCCTTGGGGGAGTTTTCTGGTGGGATCAGGAAAGCAGGGCATTCTTCTTGGAC
CCGAGAAAAAGAAATTTGGAGACAAAGTAAACCTACTTTCTGTTCTGGAAGCTGCTAAGATGATCAAACCA
CAGACTTTGGCCTCAGAGAAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG232173 representing NM_001243781
Red=Cloning site Green=Tags(s)

MGMWSIGAGALGAAALALLLANTDVFLSKPQKALEYLEDIDLKLEKEPRTFKAKELWEKNGAVIMAVR
 RPGCFLCREEAADLSSLKSMLDQLGVPL YAVVKEHIRTEVKDFQPYFKGEIFLDEKFKFYGPQRKMMFM
 GFIRLVWYNNFFRAWNGGFSGNLEGEGLILGGVFFVSGKQGILLEHREKEFGDKVNLLSVLEAAKMIKP
 QTLASEKK

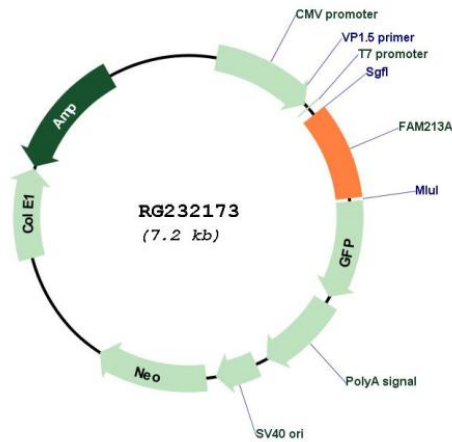
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243781

ORF Size: 654 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_001243781.2
RefSeq Size:	1756 bp
RefSeq ORF:	657 bp
Locus ID:	84293
UniProt ID:	Q9BRX8
Cytogenetics:	10q23.1
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	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]