

Product datasheet for **SC330186**

PAMM (FAM213A) (NM_001243782) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PAMM (FAM213A) (NM_001243782) Human Untagged Clone
Tag: Tag Free
Symbol: PRXL2A
Synonyms: Adrx; C10orf58; FAM213A; PAMM
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330186 representing NM_001243782.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

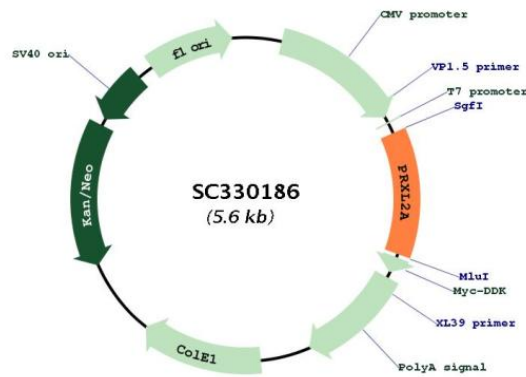
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ATGGACCCAAGTTTCTTCACCATGGGGATGTGGTCCATTGGTGCAGGAGCCCTGGGGGCTGCTGCCTTG
GCATTGCTGCTTGCCAACACAGACGTGTTTCTGTCCAAGCCCCAGAAAGCGGCCCTGGAGTACCTGGAG
GATATAGACCTGAAAACACTGGAGAAGGAACCAAGGACTTCAAAGCAAAGGAGCTATGGGAAAAAAT
GGAGCTGTGATTATGGCCGTGCGGAGGCCAGGCTGTTTCTCTGTGAGAGGAAGCTGCGGATCTGTCC
TCCCTGAAAAGCATGTTGGACCAGCTGGGCGTCCCCCTCTATGCAGTGGTAAAGGAGCACATCAGGACT
GAAGTGAAGGATTTCCAGCCTTATTTCAAAGGAGAAATCTTCTGGATGAAAAGAAAAAGTTCTATGGT
CCACAAAGGCGGAAGATGATGTTTATGGGATTTATCCGTCTGGGAGTGTGGTACAACCTTCTCCGAGCC
TGGAACGGAGGCTTCTCTGGAACCTGGAAGGAGAAGGCTTCATCCTTGGGGGAGTTTTCTGTTGGGA
TCAGGAAAGCAGGGCATTCTTCTTGAGCACCGAGAAAAAGAATTTGGAGACAAAGTAAACCTACTTTCT
GTTCTGGAAGCTGCTAAGATGATCAAACCACAGACTTTGGCCTCAGAGAAAAATGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001243782

Insert Size: 678 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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_001243782.1](#)

RefSeq Size: 1656 bp

RefSeq ORF: 678 bp

Locus ID: 84293

UniProt ID: [Q9BRX8](#)

Cytogenetics: 10q23.1

Protein Families: Secreted Protein, Transmembrane

MW: 25.3 kDa

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]

Transcript Variant: This variant (6) differs in the 5' UTR, uses an alternate splice site and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus, compared to isoform 1.