

Product datasheet for **SC105291**

PAMM (FAM213A) (NM_032333) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PAMM (FAM213A) (NM_032333) Human Untagged Clone
Tag: Tag Free
Symbol: PRXL2A
Synonyms: Adrx; C10orf58; FAM213A; PAMM
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF within SC105291 sequence for NM_032333 edited (data generated by NextGen Sequencing)
ATGTCTTTCCCTCCAGGACCCAAGTTTCTCACCATGGGGATGTGGTCCATTGGTGCAGGA
GCCCTGGGGGCTGCTGCCTTGGCATTGCTGCTTGCCAACACAGACGTGTTTCTGTCCAAG
CCCCAGAAAGCGGCCCTGGAGTACCTGGAGGATATAGACCTGAAAACACTGGAGAAGGAA
CCAAGGACTTTCAAAGCAAAGGAGCTATGGGAAAAAATGGAGCTGTGATTATGGCCGTG
CGGAGGCCAGGCTGTTTCTCTGTGCGAGAGGAAGCTGCGGATCTGTCTCCCTGAAAAGC
ATGTTGGACCAGCTGGGCGTCCCCCTCTATGCAGTGGTAAAGGAGCACATCAGGACTGAA
GTGAAGGATTTCCAGCCTTATTTCAAAGGAGAAATCTTCTGGATGAAAAGAAAAAGTTC
TATGGTCCACAAAGCGGAAGATGATGTTTATGGGATTTATCCGTCTGGGAGTGTGGTAC
AACTTCTCCGAGCCTGGAACGGAGGCTTCTCTGAAAACCTGGAAGGAGAAGGCTTCATC
CTTGGGGGAGTTTTCGTGGTGGGATCAGGAAAGCAGGGCATTCTTCTTGAGCACCAGAGAA
AAAGAATTTGGAGACAAAGTAAACCTACTTTCTGTTCTGGAAGCTGCTAAGATGATCAAA
CCACAGACTTTGGCCTCAGAGAAAAAATGA

Clone variation with respect to NM_032333.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032333 unedited
 NGGTCAACATTTGTATACGACTCTATAGGGCGGCCGGAATTCGCACGAGGGTCGGGGC
 GGTAAAAGGCCGGCAGAAAGGGAGGCACTTGAGAAAGTCTTTCCTCCAGGACCCAAGTTTC
 TTCACCATGGGGATGTGGTCCATTGGTGCAGGAGCCCTGGGGGCTGCTGCCTTGGCATTG
 CTGCTTGCCAACACAGACGTGTTTCTGTCCAAGCCCCAGAAAGCGGCCCTGGAGTACCTG
 GAGGATATAGACCTGAAAACACTGGAGAAGGAACCAAGGACTTTCAAAGCAAAGGAGCTA
 TGGGAAAAAATGGAGCTGTGATTATGGCCGTGCGGAGGCCAGGCTGTTTCTCTGTCTGA
 GAGGAAGCTGCGGATCTGTCTCCCTGAAAAGCATGTTGGACCAGCTGGGCGTCCCCCTC
 TATGCAGTGTTAAAGGAGCACATCAGGACTGAAGTGAAGGATTTCCAGCCTTATTTCAA
 GGAGAAATCTTCTGGATGAAAAGAAAAAGTTCTATGGTCCACAAAGCGGAAGATGATG
 TTTATGGGATTTATCCGTCTGGGAGTGTGGTACAATTCTTCCGAGCCTGGAACGGAGGC
 TTCTCTGGAACCTGGAAGGAGAAGGCTTCATCCTTGGGGGAGTTTTCTGGTGGGATCA
 GAAAGCAGGGCATTCTTCTGAGCACCGAGAAAAAGAATTTGGAGACAAAGTAAACCTA
 CTTTCTGTCTGGAAGCTGCTAAGATGATCAAACACAGACTNTGGCCTCAGAGAAAAAT
 GATTGTGTGAAACTGCCAGCTCAGGGATAACCCAGNGCATTACCTGTGTCATGGGAATG
 NNATGNTTCCACTCGTGTCTTNAGGAGTGAGAACCCATTATACTCTACTANNATGATT
 AT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032333 unedited
 CTTGGCCGCGCCGCATCTAAATCGTTTTTTTTTTTTTTTTTTTATTAGATCTCATACC
 CAGCTGGAATACAGTGGTGGCATCTCAGCTCACCGCACTCCACCTCCCAGGTTCAAGT
 GATTCTCTGCCTCAGCCTCCCGGTAGCTGGGACCACAGGTGCCTGCCACCACACCCGG
 GTGATTTTTGTATTTTTAGTAGAGACGGGTTTTGCCATGTTGCTCAGGCTGGTCTCGAA
 CTCCCAGCTCAAGTGACTTGCTCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTG
 AGCCACTGCACCCAGCCTGGCAGTCAATTTAAGCCTCCTATTTCCCAGTTTTAGCTTA
 ATAATCCTCATTAGTTTTTTCAGATTTTTGCCAGTTTTGTTTTGGGGCTATTTTGCCTTAG
 TGGGCCTAAACAGAAATATTAATAACATTAATAATCCATACTGACAGTAGAGTCTAAATG
 GGTTTCTCACTCCTTAGGGACCCGAGTGGAAACCACTATCCCATGACACCAGGGAAATGC
 CCCTGGTACCCCTGACCGGGCAGTTGGCCCAATCATTTTTTCTGAGGCCAACCCCGC
 GGCTTGCCTCTTCAACCCTTCCCAACAAAACAGGTGCCTTTCGCGCAAACCGTTCCG
 CGCGCGCTCAAAACATGCCGCGTTCCTTCCCCCGGTGCGGAACTTCCCCCGCTCCCC
 CCTTCTCTCTATCTTCCCCCCCCCCCCCCCCCTCCGTGTATCTCCCTGCCCCCCC
 CTCACCTCCCCGATTACCTCCACCTTCTCGCGCAGCGCCACCTTCTCCCTATCTTCC
 CCTTCGCTGGCTCGTTCTTCCCTACCCGGCCCCGCGCTCCCATCTCTCGCTGCC
 CTCCCCTGCCTCCATCCCTCCCCCCCCCTCCCCCCCCCTCCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_032333

Insert Size:

1100 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:	<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_032333.2 , NP_115709.2
RefSeq Size:	1690 bp
RefSeq ORF:	690 bp
Locus ID:	84293
UniProt ID:	Q9BRX8
Cytogenetics:	10q23.1
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Variants 1, 2, 3 and 4 encode the same isoform.</p>