

Product datasheet for **RN214314**

Pxn (NM_001012147) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pxn (NM_001012147) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pxn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214314 representing NM_001012147
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGACCTCGACGCCCTGCTGGCAGACTTGGAGTCCACCACCTCCCACATCTCCAAACGGCCAGTGT
 TCTTGTACAGAGGAGCCCCCTACTCCTACCCAACCTGAAAACACACTTACCAGGAGATTGCAGTGCCACC
 TCCGGTCCCACCGCCCCATCCAGCGAGGCCCTCAATGGCACAGTCTGGACCCCTTAGACCAATGGCAG
 CCTAGTGGTTCCAGATACGCTCACCAGCAGCCTCCATCCCCATCGCCATATACAGCTCCAGCACCACAAA
 ATTCCAGTGCCTCAACCCTCAGGACAGTGTGGCTCCCTTTGTTCCCGAGCAGGCGAGGAGAACACGT
 CTACAGCTTCCCCAACAGCAGAAGTCAGCAGAGCCGTCACCCACCGTATGAGCTCCTCCCTGGGCAGC
 AACCTCTCTGAGCTGGACCGCTGTTACTGGAGCTGAACGCAGTGCAGCGTAGTCCTTCCGGCTTCTCTG
 CAGGTATGGTGTAGTCCAGGCCCTCTGTGAGCCTTTGGGTTCTGGGGACGGAGGACGAGCAATCAT
 TTTGTCCCTTTTTTCCAAGATGAAGCAGAATCGAGCCCCCATTGCCCGGTGCCCTGAGTCCCTTTAT
 GCGTCCCAGAGAGTAACAATCTCTGGGGGCAAGCAGGGCCGCTCATGAAGGAGAAGCCAAAGCGAA
 ACGGAGGCCGGGGCTGGAGGATGTGCGGCCAGTGTGGAGAGCCTTTGGATGAGCTGGAGAACTCTGT
 GCCCAGCCCCGTCCCGCCATCACTGTGAACCAGGGAGAGATGAGCAGTCCACAGCGAGTCACTCCAGC
 CAGCAGCAGACCAGAATCTCAGCCTCCTCTGCCACCAGGGAGCTGGACGAGCTCATGGCTTCATTGTGAG
 ATTTCAAGTTCATGGCCAGGGGAAAACCGGGAGCAGCTCGCCTCCTGGGGGCTCTCAAAACCTGGGAG
 CCAGCTTGACAGCATGTTGGGGAGTCTGCAGTCCGACCTGAACAAGCTAGGGGTCCGCCACCGTTGCCAAA
 GGGGTTTGTGGAGCCTGCAAGAAGCCATTGCTGGCAGGTGGTACTGCCATGGGGAAGACATGGCACC
 CCGAGCACTTTGTGTCACCCACTGCCAGGAAGAGATTGGATCCCGGAACCTTCTCGAGCGGGACGGACA
 ACCCTACTGTGAAAAGGACTACCACAGCCTCTTCTCCCCACGCTGCTACTACTGCAACGGGCCCATCTTG
 GATAAAGTGGTGACAGCGCTGGACCGCACGTGGCACCCGGAACACTTCTTCTGTGCCAGTGTGGAGCCT
 TCTTTGGTCCAGAAGGGTCCACGAGAAAAGATGGCAAAGCCTACTGTCCGAAAGGATTACTTCGACATGTT
 CGCGCCAAGTGTGGCGCTGTGCCCGTCCATCCTGGAGAACTACATCTCGGCCCTCAACACCCTCTGG
 CACCCTGAATGCTTTGTGTGCAGGGAGTGTTCACACCCTTCGTCAATGGCAGCTTCTTCGAGCACGACG
 GGCAGCCATATTGTGAGGTGCACTACCACGAGCGTCGCGGCTCACTGTGCTCCGGCTGCCAGAAGCCCAT
 CACCGCCGCTGCATCACCGCCATGGCCAAGAAGTTCACCCCGAGCATTCGTGTGCGCCTTTGCCTC
 AAGCAGCTCAACAAGGGCACTTCAAGGAGCAGAACGACAAGCCCTACTGTCAGAGCTGCTTCTGAAGC
 TCTTCTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012147
Insert Size: 1761 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001012147.1 , NP_001012147.1
RefSeq Size:	3737 bp
RefSeq ORF:	1761 bp
Locus ID:	360820
UniProt ID:	Q66H76
Cytogenetics:	12q16
Gene Summary:	Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).[UniProtKB/Swiss-Prot Function]