

Product datasheet for **MR227457**

Pxn (NM_011223) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pxn (NM_011223) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pxn
Synonyms:	AW108311; AW123232; Pax
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227457 representing NM_011223
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACGACCTCGATGCCCTGCTGGCAGACTTGAATCTACCACCTCCACATCTCCAAACGGCCAGTGT
 TCTTGTACAGGAGCCCCCTACTCCTACCCAACCTGGAACACACATACCAGGAGATTGCGGTGCCACC
 TCCGGTCCCAACCACCGTCCAGCGAGGCCCTCAATGGCAGCGTCTGGACCTTTAGATCAGTGGCAG
 CCTAGTGGTTCCAGATACGCTCACCAGCAGCCTCCGTCCTCCACTGCCGTGTACAGCTCCAGTGTAAAA
 ATTCCAGTGCCTCCAACACCCAGGACGGCGTGGGCTCCCTTTGTTCCGAGCAGGCGAGGAAGAGCAGT
 CTACAGCTTCCCAACAAGCAGAAGTCGGCAGAGCCCTCACTACCGTCATGAGCTCCTCCCTGGGCAGC
 AACCTCTCTGAATTGACCGGTGTTACTGGAGCTGAACGAGTGCAGCAGACCCGCTGGCTTCCTG
 CAGATGAAGCCGAATCGAGCCCCCTTGCTGGAGCCCTGAGCCCCCTTATGTCATCCAGAAAAATAA
 CACTCCCTTGGGGGGCAAAGCGGGGCCCTGGTAAAGAGAAGCCAAAGCGAAATGGAGGCCGGGGCTG
 GAGGATGTGCGGCCAGCGTGGAGAGCCTCTGGATGAACTGGAGAGTTCGTCGCCAGCCCTGTCCCGG
 CCATCACTGTGAACAGGAGAGATGAGCAGTCCGCAGCGAGTCACTCCAGCCAGCAGCAGACCCGGAT
 CTCGGCTCCTCTGCCACAGGAGCTGGACGAGCTCATGGCGTCACTGTGAGTTTCAAGTTTCATGGCC
 CAGGGGAAAACCTGGGAGCAGCTACCCCTGGGGGACTCTCAAGCCCGGAGCCAGCTGGACAGCATGT
 TGGGGAGTCTGCAGTCCGACCTGAACAAGCTAGGGGTGCGCACCGTTGCCAAAGGGGTCTGTGGAGCCTG
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 ACCCACTGCCAGGAGGAGATTGGATCCCGAACTTTTTGAGCGGGACGACAGCCCTACTGTGAGAAGG
 ACTACCACAGCCTCTTCTCCCAAGCTGCTACTGCAACGAGCCATCCTGGATAAAGTGGTGACAGC
 GCTGGACCGCACATGGCAGCCGGAACACTTCTCTGTGCCAGTGTGGAGCCTTCTTGGTCCAGAAGGC
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 GCTGCGCCCTGCCATCCTGGAGAACTACATTTAGCCCTCAACACCTCTGGCAGCCCGAATGCTTTGT
 GTGCAGGAGTGTTCACACCTTCGTCAACGGCAGCTTCTTTGAGCAGCAGGGCAGCCGTAAGTGTGAG
 GTCCACTACCACGAGCGGCGGGCTCGTGTGCTCCGGCTGCCAGAAGCCCATCACGGCCGCTGCATCA
 CCGCCATGGCCAAGAAGTTCACCCCGAGCATTTCTGTGCGCCTTTGCTGAAGCAGCTCAACAAGGG
 CACCTTCAAGGAGCAGAACGACAAACCCTACTGCCAGAGCTGCTTCGTGAAGCTCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227457 representing NM_011223
 Red=Cloning site Green=Tags(s)

MDDL DALLADLESTTSHISKRPVFLSEPPYSYPTGNHTYQEIAVPPPVPPPPSSEALNGTVLDPLDQWQ
 PSGSRYAHQQPPSPLPVYSSSAKNSSASNTQDVGSLCSRAGEEEHVYSFPNKQKSAEPSPTVMSSSLGS
 NLSELDRLLELNAVQHSPPGFPADAESSPPLPGALSPLYGIPENNTPLGGKAGPLVKEPKRNGGRGL
 EDVRPSVESLLDELESSVPSPVPAITVNQEMSSPQRTSSQQQTRISASSATRELDLMASLSDFKFMA
 QGKTGSSSPGGLSKPGSQLDSMLGSLQSDLNKLGVA TVAKGVCGACKKPIAGQVVTAMGKTWHPHFVC
 THCQEEIGSRNFFERDGPYCEKDYHSLFSPRCYYCNGPILDKVVTALDRTWHPHFVCAQCGAFFGPEG
 FHEKDGKAYCRKDYDFMFA PKCGGCARILENYISALNTLWHPFCFVCRECTPFVNGSFFEHDGQPYCE
 VHYHERRGSLCSGCQKPITGRCITAMAKKFHPEHFVCAFLCKQLNKGTFKEQNDKPYCQSCFVKLFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

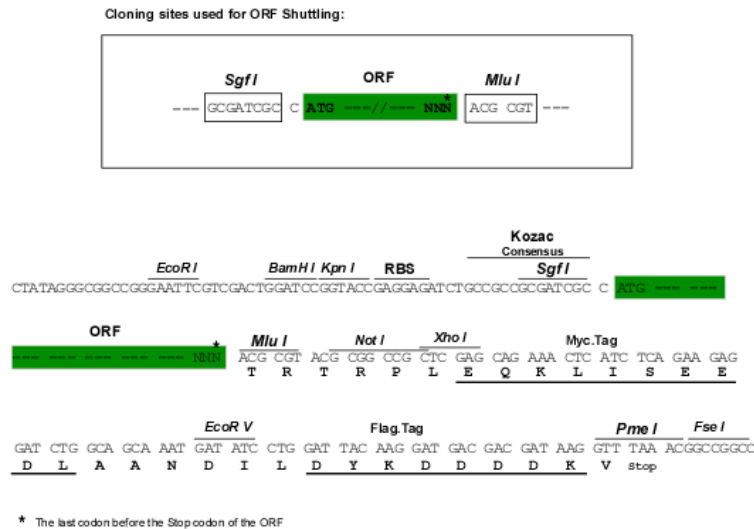
Chromatograms:

https://cdn.origene.com/chromatograms/ja1480_e07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_011223

ORF Size: 1671 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011223.3](#), [NP_035353.1](#)

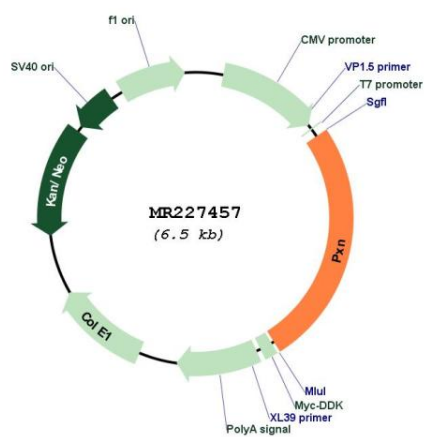
RefSeq Size: 3679 bp

RefSeq ORF: 1674 bp

Locus ID: 19303

UniProt ID:	<u>Q8VI36</u>
Cytogenetics:	5 56.1 cM
MW:	61.3 kDa
Gene Summary:	Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227457