

Product datasheet for **MR227462**

Pxn (NM_133915) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pxn (NM_133915) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>MR227462 representing NM_133915
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGACCTCGATGCCCTGCTGGCAGACTTGGAACTACCACCTCCCACATCTCCAAACGGCCAGTGT
 TCTTGTACAGAGGAGCCCCCTACTCCTACCCAACCTGGAAACCACACATACCAGGAGATTGCGGTGCCACC
 TCCGGTCCCACCACCACCGTCCAGCGAGGCCCTCAATGGCACGGTCTTGACCCTTTAGATCAGTGGCAG
 CCTAGTGGTTCCAGATACGCTCACCAGCAGCCTCCGTCCCCACTGCCGTGTACAGCTCCAGTGTAAAA
 ATTCCAGTGCCTCCAACACCCAGGACGGCGTGGGCTCCCTTTGTTCCCGAGCAGGCGAGGAAGAGCAGT
 CTACAGCTTCCCCAACAGCAGAAGTCGGCAGAGCCCTCACCTACCGTCATGAGCTCCTCCCTGGGCAGC
 AACCTCTCTGAATTGACCGGTGTTACTGGAGCTGACGCAGTGCAGCACAGCCCGCTGGCTTCCCTG
 CAGATGAAGCCGAATCGAGCCCCCTTGCTGGAGCCCTGAGCCCCCTTATGGCATCCAGAAAAATAA
 CACTCCCTTGGGGGGCAAAGCGGGGCCCTGGTAAAAGAGAAGCCAAAGCGAAATGGAGGCCGGGGCTG
 GAGGATGTGCGGCCAGCGTGGAGAGCCTTGGATGAACTGGAGAGTCCGTGCCAGCCCTGTCCCGG
 CCATCACTGTGAACCAGGAGAGATGAGCAGTCCGCAGCGAGTCACTCCAGCCAGCAGCAGACCCGGAT
 CTCGGCTCCTCTGCCACCAGGGAGCTGGACGAGCTCATGGCGTCACTGTGAGATTTCAAGATGCAGGGC
 CTGGAACAGAGAGTGGATGGAGAGCGGCCGTGGGCAGCCAGCTGGCCCCCAGCAGCAGGCGAGCAGCC
 CCGAAGGGCAGGACGAGGGAGGGTTCATGGCCAGGGGAAAATGGGAGCAGTCACCCCCTGGGGGACT
 CTCAAAGCCGGGAGCCAGCTGGACAGCATGTTGGGGAGTCTGCAGTCCGACCTGAACAAGTAGGGGT
 GCCACCGTTGCCAAAGGGGTCTGTGGAGCCTGCAAGAAGCCATCGCCGGCAGGTGCTGACCCGATGG
 GGAAGACATGGCACCCCGAGCACTTTGTGTGCACCCACTGCCAGGAGGAGATTGGATCCCGAAATTTTT
 TGAGCGGACGGACAGCCCTACTGTGAGAAGACTACCACAGCCTTCTCCCCACGCTGCTACTACTGC
 AACGGACCATCCTGGATAAAGTGGTGACAGCGCTGGACCGCACATGGCACCCGGAACACTTCTTGTG
 CCCAGTGTGGAGCCTTCTTGGTCCAGAAGGCTTCCACGAGAAGGACGGCAAAGCGTACTGTCGTAAGA
 TTACTTCGACATGTTTGTCCCAAGTGCAGCGGCTGCGCCGTGCCATCCTGGAGAACTACATTTAGCC
 CTCAACACCTCTGGCACCCGAATGCTTTGTGTGCAGGGAGTGTTCACACCCTTCGTAACGGCAGCT
 TCTTTGAGCAGCAGGGCAGCCGACTGTGAGGTCCACTACCACGAGCGGCGGCTCGTGTGCTCCGG
 CTGCCAGAAGCCATCACGGGCCGTCATCACCGCCATGGCCAAGAAGTCCACCCGAGCATTTCTGTG
 TGCGCCTTTTGCCTGAAGCAGCTCAACAAGGGCACCTTCAAGGAGCAGAACGACAACCCCTACTGCCAGA
 GCTGCTTCGTGAAGCTCTTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227462 representing NM_133915
 Red=Cloning site Green=Tags(s)

MDDL DALLADLESTTSHISKRPVFLSEPPYSYPTGNHTYQEIAVPPPVPVPPPSSEALNGTVLDPLDQWQ
 PSGSRYAHQQPPSPLPVYSSSAKNSSASNTQDVGSLCSRAGEEEHVYSFPNKQKSAEPSPTVMSSSLGS
 NLSELDRLLELNAVQHSPPGFPADAEASSPPLPGALSPLYGIPENNTPLGGKAGPLVKEPKRNGRGL
 EDVRPSVESLLDELESSVPVPAITVNQEMSSPQRTSSQQQTRISASSATRELMASL SDFKMQG
 LEQRVDGERPWAASWPPSSRQSSPEGQDEGGFMAQKGTGSSSPGGLSKPGSQLDSMLGSLQSDLNKLGV
 ATVAKGVCGACKPIAGQVVTAMGKTWHPEHFVCTHCQEEIGSRNFFERDGPYCEKDYHSLFSPRCYYC
 NGPILDKVVYALDRTWHPEHFFCAQCGAFFGPEGFHEKDGKAYCRKDYDFDMFAPKCGGCARAIENYISA
 LNTLWHPECFVCRECFTPFVNGSFFEHGQPYCEVHYHERRGSLCSGQCPITGRCITAMAKKFHPEHFV
 CAFCLKQLNKGTFKEQNDKPYCQSCFVKLFC

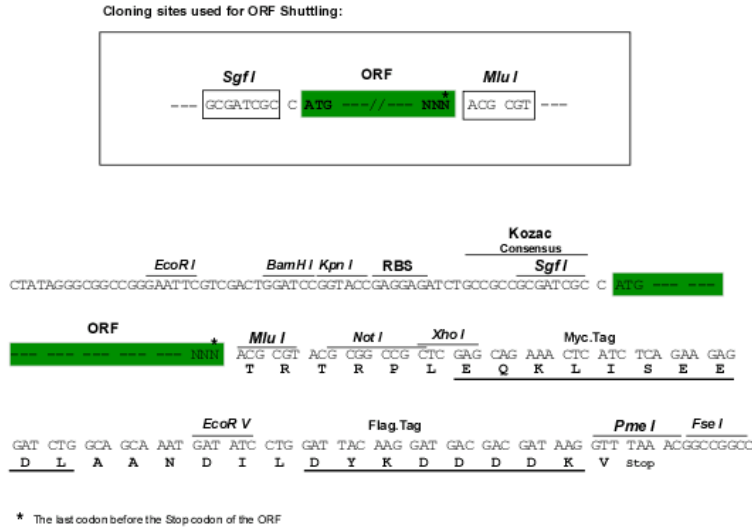
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9107_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133915

ORF Size: 1773 bp

OTI Disclaimer: 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.

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.

RefSeq: [NM_133915.3](#), [NP_598676.2](#)

RefSeq Size: 3824 bp

RefSeq ORF: 1776 bp

Locus ID: 19303

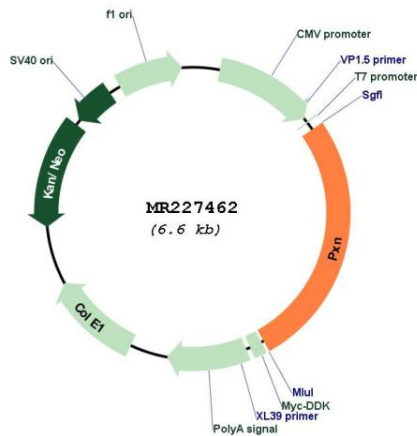
UniProt ID: [Q8VI36](#)

Cytogenetics: 5 56.1 cM

MW: 64.5 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 MR227462