

Product datasheet for **MC202189**

Paxx (NM_153557) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Paxx (NM_153557) Mouse Untagged Clone
Tag: Tag Free
Symbol: Paxx
Synonyms: D930050G13Rik; Paxx
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC029214 sequence for NM_153557
 GGTACCCCGGAAACAATGTCAACCTTGAGTACCGCCCATCGCCTCGTCCTCCGTCCTCCAGAAACCAGA
 AGTTCGCGCCGAGCGAACACCTTAGATTGTGAGTACCGAGTTTGTACTTCTGCGCAGGCGCCCTCAG
 CCCACATCTAACTTGCTCCTGCGGCGAGACCGCCTGCTGTCATGGCTCCTCCGTTGTTGTCGCTGCCG
 CTTTGTATTCTGCCGCCGGTTCGGGCTCCCCCGCCTGGTGTGCTACTGCGAGCGGGATAGTGGTGGAG
 ACGGGGACCGCGACTTCAACCTCTATGTGACGGACGCGCGGAGCTCTGGAGCACTGCTTCTCGCC
 TGACAGCTGGCGAGGCTCAAAGCCGATTTGGCCTAAGTGGGGCTGAAGATATCCATTCGCGTTCAGG
 GCAGCCTGCCAACAGCAGGCAGTAACTGTAAGCCTGCAAGAAGACAGAGCATTGATAACCCTTTCAGGGG
 ATACCCCTGCCCTGGCCTTTGACCTCTCCAAGGTGCCAGCCGAGGCAGCCCCAGGCTGCAGGCTTT
 GACTCTCAGCCTGGCAGAGCATGTATGCAACCTAGAGAGGCGGCTGGCAGCTGCAGAAGAGACCATCACT
 AGCCCCAAGAAGAACACCCAGCCAGCAGGCACTCAGTTCTTACCAGAATTGATCACCAGAGAGGCAGCT
 CTGGGCTGGGGTCAGGAGACGGTGTCCAGGGGAGTCTCTCATTAAACCCTGGCTTCAAAGTAAGAAACC
 AGCTGCTGGTGTAGACTTTGATGAGACCTGAGGACAGCAAAGCCTGTTACTTGGCCAGGAGCCTGCCTGC
 AAGGAAAGGGGAGATCTAGGACCCCTAATCAGAGACACCCCTTGCTTCACTTCCCTGTGGTCTGCTG
 TTGGGCAAAGGTGCTCTCATCCCTTCTCCGTCAAATAAACTGCTCCCTCGGGGAGAGATGCTAGAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_153557

Insert Size: 618 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).



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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:	<u>BC029214</u> , <u>AAH29214</u>
RefSeq Size:	997 bp
RefSeq ORF:	618 bp
Locus ID:	227622
UniProt ID:	<u>Q8K0Y7</u>
Cytogenetics:	2 A3
Gene Summary:	Involved in non-homologous end joining (NHEJ), a major pathway to repair double-strand breaks in DNA. May act as a scaffold required to stabilize the Ku heterodimer, composed of XRCC5/Ku80 and XRCC6/Ku70, at DNA ends and thus promote assembly and/or stability of the NHEJ machinery at double-strand break sites.[UniProtKB/Swiss-Prot Function]