

Product datasheet for **MC221290**

Pet2 (NM_008821) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Pet2
Synonyms:	PC231; PC326; Pex3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC221290 representing NM_008821
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCATCTCATGAGAGCTACACAAATGCTGCAGAGACCCCTGAGAATATAAGCATACTCAGCTGCTTGG
 GTGAGACTTCTGGTGCCCTGGTGGACACAAAGACAATTTCTGACATTAAGCTATGGATCCAGAAGTGAG
 TCTGACACCAAGCAGTGATGTTACTGGCACTGAAGACAGCAGTGTTTTAAGCCCTCAAAGTACTGATGTA
 AATTCTGTTGATAGTTACCAGGGTTATGAGGGTGACGATGACGACGAAGAAGATGATGAAGATGACAAAG
 ATGGCGATTCCAATCTTCCAGCTTGGAGGACTCTGACAATTTATCAGCTGTTTGGAAAACTCATATAT
 CCTCAAAAATGTAGAGAAGCGTGAGGTTGTGGAAGAGCAGAGTCTGGGAAGGCGTTTTTCATCCATACGAG
 TTGGAGGCTGGTGAGGTTGTGGAAGGGCAGGGAGGGGGAAGCCTGTTCTATCCATATGAGCTGGAGGCTG
 GAGAAGTTGTGGAAGCAGAGAATGTTCAAACCTGTTCCACCGTTATGAGTTGGAAGAAGGTGAGGTTGT
 AGAAGCACAGGTAGTACAAAGCATGTTCCCTACTATGAGTTGGAGGCAGGAGAAGTTGTGGAAGCTGAG
 GAAGTGCAAGGTTTTTCCAACGTTATGAATTGGAGGCTAGAGAGGTTATAGGAGCACAGGGAGGACAAG
 GTCTTTCCCGCCATTATGGATTGGAGGGAGGTGAGGTTGTGGAAGCAACAGCAGTGCCGAGACTGATTCA
 GCACCATGAGTTGGAGGAAGGTGAGGATGTAGATGATCAGGAAGAGAGCTCTGAGATGCATGAAGAGACC
 AGTGAGGACAGCAGTGAGCAATATGACATTGAAGATGATAGCTTGATAGATGAATGGATAGCTTTAGAGA
 CATCTCCTCTCCCAAGACCTCGATGGAATGTCCTTAGTGCTTTCTGATAGGCAGCTGGGTTCAAGTGG
 TCGCTTTGTGTATGAAGCCTGTGGTGCAAGATTATTTGTGCAGCGTTTCTCACTAGAGCATGTTTTTGAA
 GGCCATTCTGGATGTGTCAACACTGTTCAATTTAACCAACATGGCACCCCTGCTGGCTAGTGGCAGTGATG
 ATCTAAAGTGATTGTATGGGACTGGCTTAAAAACGATCAGTACTGAACCTTGACAGTGCCACAAAAA
 TAATATCTTGACAGGCTAAATTCCTTCCCAACTGTAATGATGCCATCTTGGCTATGTGTGGCCGTGATGGG
 CAGGTACGAGTTGCACAGCTATCTGCTGTGGCAGGCACCCACATGACTAAGCGTTTGGTGAAGCATGGGG
 GAGCATCTCATAGACTGGGTTTGAACCAAGATTCCCTTTAGGTTCTTAACCTCAGGTGAAGATGCAGT
 TGTCTTCAATATTGACCTCAGACAAGCCACCCAGCTTCAAAGTTGCTTGAATCAAAGATGGTGATAAG
 AAAGTGGGACTGTATACAGTCTTTGTGAATCCTGCCAATGTCTACCAGTTTGTGTAGGTGGGCAAGATC
 AGTTTTATGAGGATTTATGACCAAAGGAAAATTGATGAGAATGTCAACAATGGAGTTCTCAAAAAATTCTG
 CCCTCATCACCTTCTAGCTCTGATTACCCAGCACACATCACATCTCTGATGTACAGCTATGATGGCACA
 GAGATCCTGGCTAGCTACAATGATGAAGATATTTATATCTTCAACTCTTCTGATAGTGATGGAGCTCAAT
 ATGCTAAGAGATATAAAGGACACAGAAATAATTCTACAGTGAAAGGTGTATTTCTATGGCCCAAGAAG
 TGAATTCGTGATGAGTGGTAGCGATTGTGGGCATATCTTCATCTGGGAAAAATCATCCTGCCAGATCGTT
 CAGTCTTAGAGGCAGATGAAGGAGGAACAATAAAGCTGATTGATTCACATCCTTACCTACCTGTGTGG
 CATCCAGTGGGCTAGACCATGAAGTCAAAATCTGGTCACCCATAGCTGAACCTTCCAAGAAGCTTGCCGG
 CTTAAAGAATGTGATTAATAAAGCTGAAACGAGATAATTTACCTTGGCCCACTTCCCTGTTT
 AACAACAGCATGCTTTGTTTCTCATGAGTCATGTGACACAGTCAAATTATGGACGAGTTGGAGAGGTA
 TTAGAATTAATGCTGGAGGTGGAGATTTCACTGACTCTCCAGCAGCTCTGAGGAAACAAACCAAGAATC
 ATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_008821

Insert Size:

2244 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:	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:	<u>NM_008821.2</u> , <u>NP_032847.2</u>
RefSeq Size:	4182 bp
RefSeq ORF:	2244 bp
Locus ID:	18630
Cytogenetics:	X C1