

Product datasheet for **MC218990**

Nxpe2 (NM_030069) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nxpe2 (NM_030069) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nxpe2
Synonyms:	4432416J03Rik; AI323362; Fam55b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218990 representing NM_030069
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGGAGGATGCTTAGTCTAGGATACTGCTCTCTCGCTTCCAAATGCCTCAGCTCAGAACTGTTCC
 TGATAGTGTTAATTATCTTTGCTTCTGGGTTGTCTTCATGACTTCAAAAGACCACACAGAGTTTATGGT
 TCACTTAAACAACCGCATCATTCTGAGACGATGGAGCATCTTCAAGGAGTTCTTGCACTCGGAAGAGCTT
 AAGAACACACCAGCCTCCGTGGAGGCAGAGCTGGCAGTCACAGCAATCCTGGAGAAGCTAAACCAGCAGA
 TCCACCCAGACCTTTCCAGACCCATAGCAGCACCACCAGCGCCAAACAGAGCACAGCTACCATTACAA
 CCCGCAGCGTACCTACTGCGTAGGAGACCAGCTGAACGCTTACTGGTGGCCAAGGACTATTTTGGTAAC
 AGGAAGGAGTATGGTGGGATTTCTAAGAGCCAGGATGTCTCCCGAGCCCTGAAGGCAGGCGCTTCTG
 GAAAGGTGACAGACTTCAACAATGGCACCTACCTCATCAGCTTCACTCTGTTCTGGGAGGCCCCGGTCTC
 GCTGTCTATCCTGCTCATGCACCCAGTGAAGGGGTGTCAGCTCTCTGGAGAGCAAGGAACCGAGGCTAT
 GGCAAAATTATCTTCACTGGCCAGTTTCTTAATGGCACCTCCCTGTCTCACTGAATGCGGCCTCACCT
 TAAACACAAGTGGGAGCTGTGTCAATATCTGGATGCTCGAGATCACGAAGCCTTCTACTGCTTGAAGCT
 TCCGGGTGTTCCCTGTGAGGCCCTGACCCACATGACGAGCAAGAACAGTAACATCTCCTACCTCAGCCTT
 GAGGAGAAGCTCCTTTTCCGGAGGTTCAACATAGGAGTTGAAGTGGTAAAGAATCTGTCCATCGTGGTCT
 CGCCGTGTAACAACAAGACCAACAAGAAGAAAAAGAAATGCCAGATTGGAATGGAGACCCCTTCCCTGG
 TGGCTATACTTTGAAAGGAAGGTGGATTACAGCACATTGTGAACAGAATGAGTTCAGGGCAATAAAGAT
 ATAAATAATTGCTTGACAAGAAAACCTTAAATTTTTTATCGTCACGGAGCCGGGCCCTTTAAACTCACAT
 CTTTCTGGATACTGAACGACATATTTTGTTCAGTGGAAGAAACACAGCCATCCCTTTGTTACTAATAAG
 CTGTTCTCCATGAAAGATGACAACCTATATTCTCGGGAATTGACCAGGTGGCAGGAGACAGTGGTACAG
 CAATTGTCATTAGTTTTGGTCAACACTTCAGACCTTTCCCATCAACGTTTTTATCCGTAGGGCCATCAA
 CGTCAAAAACGCCATAGAGAGACTGTTCTTACGAAGCCCCGAGACCAAGGTGATAATTAAACGGAAAC
 ATCAGAGAAATAAATGAACATGTAGAGATATTCAGTGACTTCCACGGAAGCATTGAGAACCTTATTATAA
 GGGACATTTTCAGGGACCTTAATGTGGGTATCATCGATGCCTGGGACATGACAGTTGCATATCGCAGTGA
 GGACGTCCATCCGCTGAAAGCGTGATTGAAAGTCAGATTGGCATGTTCTTAAACTACATTTG**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_030069

Insert Size: 1677 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](#)

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_030069.3](#), [NP_084345.2](#)

RefSeq Size: 3368 bp

RefSeq ORF: 1677 bp

Locus ID: 78252

UniProt ID: [Q3U095](#)

Cytogenetics: 9 A5.3