

## Product datasheet for **MC218038**

### **Nxpe4 (NM\_172921) Mouse Untagged Clone**

#### **Product data:**

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                    |
| Product Name:      | Nxpe4 (NM_172921) Mouse Untagged Clone |
| Tag:               | Tag Free                               |
| Symbol:            | Nxpe4                                  |
| Synonyms:          | C130036J11; D930028F11Rik; Fam55d      |
| Vector:            | pCMV6-Entry (PS100001)                 |
| E. coli Selection: | Kanamycin (25 ug/mL)                   |
| Cell Selection:    | Neomycin                               |



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**Fully Sequenced ORF:** >MC218038 representing NM\_172921  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACCGTGGCCAGTCGTAAGTCACGTGGATGCTGCTTTTTATAGTCATCTCTGGGTCTCTTTTA  
 CAGTTTTCAGAAACCCTGTGAAGCTACGGACCATGTTCAAGTTGCTGTCTTCAATCGCTGGAACTT  
 GGTGATGGGACCCTCATGCCCTGCAGTGCCTCTGAACCTACCAGTTTCACCAAAAGAGACAGAACTGAGA  
 ATCAGGGAGGTCCTGGAGAACTAGACAAACAGATCCCTCCCAGACCCTTCAACCCACTCAACTACACCA  
 CAAGCGCCACACACAGTACAGCCACCATCTCAACCCCTCGGGATACACACTGTGTGGGGACCAGCTGGA  
 CATCTGGTAGAGGCTAGAGACCACCTAGGAAACAGGAAGGGGTATGGTGGGACTTCATGAGGGCCAGG  
 ATGTTCTCCCAGCCCTGAAGGCAGGAGCTTCTGGAAAGGTGACAGACTTCAACAATGGCACTTACCTCG  
 TCAGTTCACCTGTTCTGGGAGGGCACGGTCTCCCTGTCTATCCTGCTCATGCACCCAGTGAAGGGGT  
 GTCAGCTCTCTGGAGATCAAGGAAACAGGGCTACGACAGAATCATCTTCTCAGGCCAGTTTGTGAGTGGT  
 GCTTCTCAGGTCCACACTGAATGTGCCCTGGTTCTAAATTCAGTGTGAGCTGTGCCAGTATCTGGATG  
 CCCAGGACCAAGAAGCTTCTACTGTGTGAAGCCTCCAAATGTGCCCTGTGCAGCTCTCACCTACATGCA  
 GTCAAAGAACAAGGATGTTTCTATCTTAGCCAACAAGAAAGGAGCCTCTTTGAAAGGTCAAATATAGCT  
 GTGGAGATTATGGAAAAATCCAATGCGATTAGTGTCTCCAAATGCAACACAGACACAGCTCCAGTGAAGG  
 AGAAATGCAAGCTCGGGATGGTATCTGCAATCCCTAGTGGGCACGTCTGGAAAAACGCATGGACTCCTGC  
 CTCCTGCAGTCTGGCTCCAATCAAAATGAAAGACTGCCTGAGGGGAAAATTTATCTATCTAATGGGTGAT  
 TCCACAATCCGCCAGTGGATGGAATACTTCAAAGCAAAGTCAACACACTGAGGTCGGTGGACCTGCATG  
 AGATGGGAAACTGCAACACCAACTTCCGTGGACTTGGATGAGAAAATCAGCATCCAGTGGCAAAAACA  
 TGGTTACCCTCTTATCGGGTCATTGGTCTACTCTGTCAAAGAAAATAGAGAACATTGCACGGATAATTGAC  
 AGAACTGGAGGAGAGAAAAACACAGTCATCGTCAATTTCTCTGGCCAGCATTTCAGACCCTTTCCATTG  
 ATCTTTTTATCCGAAGGGCCCTCAATGTTCAAAAGCTCTTACAGCGTCTTCTCCTGAGAAGCCCGGACAC  
 TGTGGTGGTCTCAAACAGAAAACACCAGGGAGTTAAACAGCGACGTGGAGAGGTTTGTGACTTCCAT  
 GGTACACGCAGTATCTTGCCTTAAAGGATATTTTCCAGGATCTCAATGTGGGTGTCATTGATGCCTGGG  
 ACATGACAGTTGCATATGGCATAAACAATGTCCACCCACCAGAGGATGTAGTTAGAAGTCAAATTAATAT  
 ATTCTTAAACTACATTTGCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_172921

**Insert Size:** 1632 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.

**RefSeq:** [NM\\_172921.3](#), [NP\\_766509.2](#)

**RefSeq Size:** 3173 bp

**RefSeq ORF:** 1632 bp

**Locus ID:** 244853

**UniProt ID:** [Q52KP5](#)

**Cytogenetics:** 9 A5.3