

Product datasheet for **MR208666**

Nxpe4 (NM_172921) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208666 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAACGCTGGCCAGTCGTAAGTCACGTGGATGCTGCTTTTTATAGTCATCTCTGGGTCTCTTTTA
 CAGTTTTTCAGAAAACCTGTGAAGCTACGGACCATGTTCAAGTTGCTGTCTTCAATCGCTGGAACCT
 GGTTCATGGGACCCTCATGCCCTGCAAGTGCCTCTGAACCTACCAGTTTCACCAAAAAGACAGAAGTGA
 ATCAGGGAGGTCCTGGAGAACTAGACAAAAGATCCCTCCCAGACCCCTCACCCACCTCAACTACACCA
 CAAGCGCCACACACAGTACAGCCACCATCTCAACCCCTCGGGATACACACTGTGTGGGGACCAGCTGGA
 CATCCTGGTAGAGGCTAGAGACCACCTAGGAAACAGGAAGGGGTATGGTGGGACTTCATGAGGGCCAGG
 ATGTTCTCCCAGCCCTGAAGGCAGGAGCTTCTGGAAAGGTGACAGACTTCAACAATGGCACTTACCTCG
 TCAGTTCACCTGTTCTGGGAGGGCACGGTCTCCCTGTCTATCCTGCTCATGCACCCAGTGAAGGGGT
 GTCAGCTCTCTGGAGATCAAGGAAACAGGGCTACGACAGAATCATCTTCTCAGGCCAGTTTGTCACTGGT
 GCTTCTCAGGTCCACACTGAATGTGCCCTGGTTCTAAATTCAGTGTGAGCTGTGCCAGTATCTGGATG
 CCCAGGACCAAGAAGCTTCTACTGTGTGAAGCCTCCAAATGTGCCCTGTGCAGCTCTCACCTACATGCA
 GTCAAAGAACAAGGATGTTTCTATCTTAGCCAACAAGAAAGGAGCCTCTTTGAAAGGTCAAATATAGCT
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 CTCCTGCAGTCTGGCTCCAATCAAAATGAAAGACTGCCTGAGGGGAAAATTTATCTATCTAATGGGTGAT
 TCCACAATCCGCCAGTGGATGGAATACTTCAAAGCAAAGTCAACACACTGAGGTCGGTGGACCTGCATG
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 ATCTTTTTATCCGAAGGGCCCTCAATGTTCAAAAGCTCTTACGCGTCTTCTCCTGAGAAGCCCGGACAC
 TGTGGTGGTCTCAAACAGAAAACACCAGGGAGTTAAACAGCGACGTGGAGAGGTTTAGTACTTCCAT
 GGTACACGCAGTATCTTGCCTAAAGGATATTTTCCAGGATCTCAATGTGGGTGTCATTGATGCCTGGG
 ACATGACAGTTGCATATGGCATAAACAATGTCCACCCACCAGAGGATGTAGTTAGAAGTCAAATTAATAT
 ATCTTAAACTACATTTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208666 protein sequence
 Red=Cloning site Green=Tags(s)

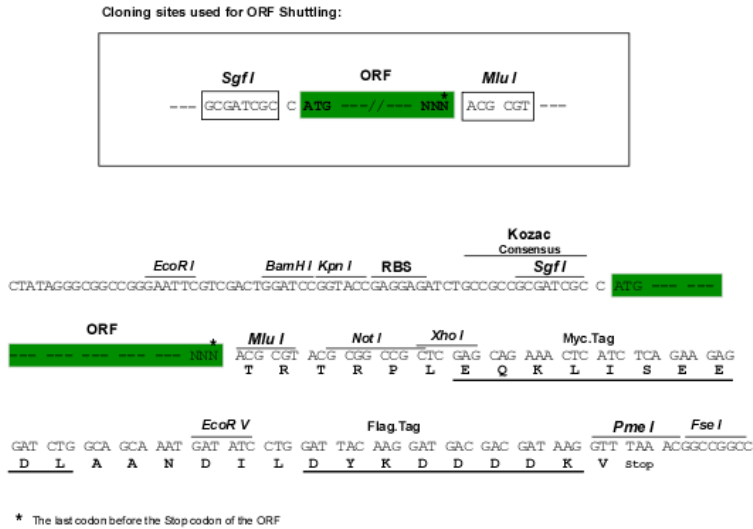
MKTLASRKSLWMLLFIVIFWVSFTVFRNPVKLRMFKLPVSFNRWNLVMGPSCPAVPLNLPVSPKETELR
 IREVLEKLDKQIPRPFTHLNYTTSATHSTATILNPRDTHCVGDQLDILVEARDHLGNRKGYGGDFMRAR
 MFSALKAGASGKVTFDFNNGTYLVSFTLFWEGTVSLSILLMHPSEGVSALWRSRQGYDRIIFSQGFVSG
 ASQVHTECALVLNSSVELCQYLDAQDQEAFCYKPPNPVCAALTYMQSKNKDVSYSQQERSLFERSNIA
 VEIMEKSNAISVSKCNTDTAPVKEKCKLGMVSAIPSGHVWKNWTPASCSLAPIKMKDCLRGKFIYLMGD
 STIRQWMEYFKSVNLTLSVDLHESGKLQHLAVDLDEKISIQWQKHGYPLIGSLVYSVKEIENIARIID
 RTGGEKNTVIVISLQHFRRPFDLFIKRALNVHKALQRLLLRSPDVTVVVLTENTRELNDSVERFSDFH
 GYTQYLALDKDIFQDLNVGVIDAWDMTVAYGINNVHPPEDVVRSQINIFLNYIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_172921

ORF Size: 1632 bp

OTI Disclaimer: 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_172921.3](#), [NP_766509.2](#)

RefSeq Size: 3173 bp

RefSeq ORF: 1632 bp

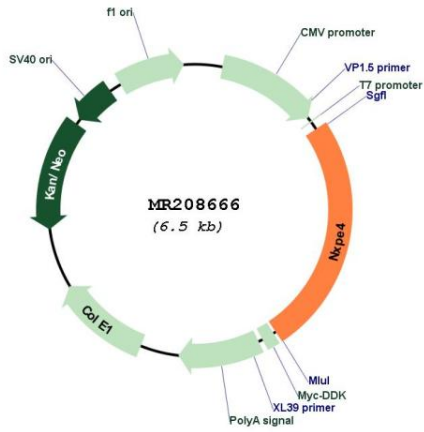
Locus ID: 244853

UniProt ID: [Q52KP5](#)

Cytogenetics: 9 A5.3

MW: 61.6 kDa

Product images:



Circular map for MR208666