

Product datasheet for **MC206646**

Npr2 (BC042470) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npr2 (BC042470) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Npr2
Synonyms:	GC-B, mNPR-B, GC-B2, GC-B3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC042470
 CTTCTGCCACCCTATCCTTAGTCCCTGGACCTGGCTGTGGGCTGGTAGCCCACTCCTCCCGACCCAGGT
 TTCCCCCATCCTCTTTGCGTGGTCCCAGCACTTTCTGTATCCGGGCCGACTAAGCTTGCCCCCACT
 TCTCTTCCCTGGCCCTCTTCCCAGGCTCCAGGCTGGGTGGCGCTTGTGCCTGCCAGTAGCCAGAGCGG
 CCCCTGGTTCCGGGGACCGTGGGTCAGCTGCTCTATCCCATGGCACTGCCATCCCTGCTGCTGGTGGT
 GCAGCCCTGGCAGGTGGGTGCGTCTCCGGGGCACGGAACCTGACGCTGGCGGTGGTGTGCCAGAAC
 ACAACCTGAGCTATGCCTGGCCCTGGCCACGGGTGGTCTGCTGTGGCACTGGCTGTGGAGGCACTGGG
 CCGGGCACTGCCCGTGGACCTGCGGTTTGTGAGCTCCGAAGTACGCGCCCTGCTGAGTACCTGGCA
 CCACTGCGCGCTGTGGACCTCAAGCTGTACCATGACCCCGACCTTCTGTTGGGCCCGGTTGTGTGTACC
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 TGGCTTTCAGCTAAGAATGAGCATTATCGTACCCTGGTTCGCACTGGCCCTCTGCGCCCAAGCTGGGT
 GAGTTTGTAGTGACATTGCACGGCACTTCAATTGGACAGCTCGGGCTGCTTTGCTGTATCTGGATGCTC
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 TGTGCAGCACCAGGTGTATGCCCGAGAGCCAGGTGGCCCTGAGCAAGCCACCCACTTCATCAGAGCCAAC
 GGGCGCATTGTGTATATCTGCGGCCCTGGAAATGCTGCATGAGATCCTGCTTCAGGCTCAGAGGGAGA
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 CCACTCTGGCAATCGTGGCCCTGGGCACGGGAGTCACTTCATCATGTTTGGTGTTCAGTTTCCTAAT
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 TTTGGCAACTCGGATCGCTATCACAAGGGTGCAGGCACTGCCTGACGCTGTCGCTGCGGGGATCCAGTT



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ACGGCTCGCTCATGACAGCCCATGGGAAATACCAGATCTTTGCCAACACCGGTCACTTCAAGGGAATGT
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GACACAAAACCCCTGCCTTATGTGGAATCATAGCCCCCTGCCGCTCAGCCTGTACATAGACCTATCCC
TCCCTGCCCTGCTCTTCTGCTCCTGTAATATCTGTATCTAGACCAGAATATTTTGTCCAAGTAT
AAAACAACAACAACAAAAA

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- Restriction Sites:** EcoRI-NotI
- ACCN:** BC042470
- Insert Size:** 3144 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:** [BC042470](#), [AAH42470](#)
- RefSeq Size:** 3669 bp

RefSeq ORF: 3144 bp

Locus ID: 230103

Cytogenetics: 4 23.05 cM

Gene Summary: Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth. [UniProtKB/Swiss-Prot Function]