

Product datasheet for MC209051

Nppc (NM_010933) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nppc (NM_010933) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nppc
Synonyms:	C; CNP; lb; lbab
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209051 representing NM_010933 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCTCTCCAGCTGATCGCCTGCGCCCTGCTGCTCGCGCTACTCTCGCTCCGGCCCTCTGAAGCCA
AGCCCGGGACACCACCGAAGGTCCCGAGAACCCTGCCAGGGGAGGAGCTGGCGGATTCACAGGCAGCTGG
TGGCAATCAGAAAAGGGTGACAAGACTCCAGGCAGCGGGGAGCCAATCTCAAGGGAGACCGATCGCGA
CTGCTCCGGGACCTGCGTGTGGACACCAAGTCCCGGGCTGCTTGGGCCCGCCTTCTGCACGAGCACCCCA
ACGCGCGCAAATACAAAGGCGGCAACAAGAAGGGCTTGCCAAAGGCTGCTTTGGCCTCAAGCTGGACCG
GATCGGCTCCATGAGCGGTCTGGGATGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_010933
Insert Size:	381 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).


[View online »](#)

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:	<ol style="list-style-type: none"> 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_010933.5</u> , <u>NP_035063.1</u>
RefSeq Size:	1042 bp
RefSeq ORF:	381 bp
Locus ID:	18159
UniProt ID:	<u>Q61839</u>
Cytogenetics:	1 43.98 cM
Gene Summary:	This gene encodes a member of the natriuretic peptide family. Natriuretic peptides are involved in the control of blood pressure, extracellular fluid volume and electrolyte homeostasis. The encoded protein also plays a role in sensory neuron bifurcation, and is a critical regulator of endochondral bone growth. The encoded protein is a ligand for the natriuretic peptide receptor B, and is synthesized as a preprohormone which is cleaved to produce a mature peptide. Mutations in this gene are associated with dwarfism resulting from impaired endochondral ossification. [provided by RefSeq, Apr 2011]