

Product datasheet for **MC225738**

Nppb (NM_001287348) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nppb (NM_001287348) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nppb
Synonyms: AA408272; BNF; BNP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225738 representing NM_001287348
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCTCTGAAGGTGCTGTCCAGATGATTCTGTTTCTGCTTTTCCTTTATCTGTCCCGCTGGGAG
GTCACCTCTATCCTCTGGGAAGTCCTAGCCAGTCTCCAGAGCAATCAAGATGCAGCTGTGGAGCTGAT
AAGAGAAAAGTCGGAGGAAATGGCCAGAGACAGCTCTTGAAGGACCAAGGCCTCACAAAAGAACCCCA
AAAAGAGTCCTTCGGTCTCAAGGCAGCACCTCCGGGTCCAGCAGAGACCTCAAAATCCAAGGTGACAC
ATATCTCAAGCTGCTTTGGGCACAAGATAGACCGGATCGGATCCGTCAGTCGTTTGGGCTGTAACGCACT
GAAGTTGTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001287348

Insert Size: 363 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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.
RefSeq:	<u>NM_001287348.1, NP_001274277.1</u>
RefSeq Size:	778 bp
RefSeq ORF:	363 bp
Locus ID:	18158
UniProt ID:	<u>P40753</u>
Cytogenetics:	4 78.57 cM
Gene Summary:	<p>This gene encodes a secreted protein that belongs to the family of natriuretic peptides. Its precursor protein is processed to generate the active mature peptide. The mature peptide is a cardiac hormone that plays a role in ventricular remodeling as well as blood pressure regulation. Mice lacking this gene exhibit cardiac fibrosis. In humans this gene is associated with congestive heart failure, low bone-mineral density and postmenopausal osteoporosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded protein (isoform 2, also known as Short isoform) is shorter than isoform 1.</p>