

Product datasheet for SC306326

NPB (NM_148896) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPB (NM_148896) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPB
Synonyms:	L7; PPL7; PPNPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306326 representing NM_148896. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGCCCCGTCCGCGACACTGGCGGCCGCCCTGGCGCTGTGCCTGCTGCTGGCGCCGCTGGCCTC
 GCGTGGTACAAGCCAGCGCGGGGCACAGCTCCTACTCGGTGGGCCGCGCCGCGGGGCTGCTGTCCGGC
 CTCCGCAGGTCCCGTACGCGCGCGCTCCAGCCCTACAGAGGGGCGGAACCCCGGGCGGGGCCGGC
 GCCTCCCCGGAGCTGCAACTGCACCCAGGCTGCGGAGCCTCGCTGTGTGCGTCCAGGACGTCGCCCCA
 AACCTGCAGAGGTGCGAGCGGCTCCCGACGGCCGCGGGACCTACCAAGTCAAGGCGAACGTCCTCTCTG
 TCCCTGCGCGCAGCCGACTGCCTCGCCGCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_148896
Insert Size:	378 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


[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.
RefSeq:	<u>NM_148896.4</u>
RefSeq Size:	721 bp
RefSeq ORF:	378 bp
Locus ID:	256933
UniProt ID:	<u>Q8NG41</u>
Cytogenetics:	17q25.3
Protein Families:	Secreted Protein, Transmembrane
MW:	13.1 kDa
Gene Summary:	This gene encodes a member of the neuropeptide B/W family of proteins and preproprotein that is proteolytically processed to generate multiple protein products. The encoded products include neuropeptide B-23 and a C-terminally extended form, neuropeptide B-29, which are characterized by an N-terminal brominated tryptophan amino acid. Both of the encoded peptides bind with higher affinity to neuropeptide B/W (NPB/W) receptor 1 compared to the related NPB/W receptor 2. These peptides may regulate feeding, pain perception, and stress in rodents. [provided by RefSeq, Jul 2015]