

Product datasheet for **RN201278**

Npbwr1 (NM_001014784) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npbwr1 (NM_001014784) Rat Untagged Clone
Tag: Tag Free
Symbol: Npbwr1
Synonyms: Gpr7; Nbpwr1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201278 representing NM_001014784
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACAACCTTGTGCTCTTCGAGCCTGGCAGGGGCAATGTGTCTTGGCGGCCCATTTTTGGGCTGTC
CTAACGAGTCGAACCCAGCGCCTCTGCCACTGCCGCAGCCTCTGGCGGTAGCAGTGCCTGTGGTCTACGG
GGTGATCTGCGCGGTGGGACTGGCGGGCAACTCCGCGGTGCTGTACGTACTGCTGCGCACGCCGCGCATG
AAGACTGTTACCAACGTGTTCACTTCTCAACCTGGCTATCGCGGACGAGCTTTCACCTCGTGCTGCCCA
TCAACATCGCGGATTTCTGCTGAGGCGCTGGCCCTTCGGGGAAGTCATGTGCAAGCTCATCGTGGCTGT
CGACCAGTACAACACTTTCTCTAGCCTCTACTTCTCGCCGTCATGAGCGCAGACCGCTACCTGGTTGTC
CTGGCCACAGCCGAGTCGCGCCGGGTGTCCGGGCGCACTATGGTGCAGCGCGGGCTGTCACTGTGGCGG
TGTGGGCGCTGGTGACATTGGTCGTGCTGCCTTTTGGCGTATTCGCCCGGCTGGACGAAGAGCAGGGTGC
GCGTCAGTGCCTGCTGGTCTTCCCGCAGCCTGAGGCCCTTCTGGTGGCGCGCCAGCCGTCTGTACACTCTA
GTGTTGGGCTTCGCCATCCCGGTGTCCACCATCTGCGCCCTCTATCACCTGTTGTGCCGACTGCGTG
CTATCCAGCTAGACAGCCAGCCAAGGCCCTGGACCGTGCCAAGAAGCGCGTGACCTTGTGGTGGTGGC
GATTCTGGCTGTGTGCCTCCTCTGCTGGACACCGTACCACCTGAGCACCATAGTGGCGCTCACCCAGC
CTCCCGAAACACCGTTGGTCATCGGCATCTTACTTCACTCACCAAGTCTGAGCTATGCCAACAGCTGCC
TCAACCTTTCTCTATGCCTTCTGGACGACAGCTTCCGAGGAGCCTGCGGCAGCTGGTGTATGCCG
CACAGCC**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014784



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Insert Size:	990 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:	<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_001014784.1</u> , <u>NP_001014784.1</u>
RefSeq Size:	990 bp
RefSeq ORF:	990 bp
Locus ID:	297795
UniProt ID:	<u>Q56UD9</u>
Cytogenetics:	5q12
Gene Summary:	Interacts specifically with a number of opioid ligands. Receptor for neuropeptides B and W, which may be involved in neuroendocrine system regulation, food intake and the organization of other signals (By similarity).[UniProtKB/Swiss-Prot Function]