

Product datasheet for **MG219420**

Npbwr1 (NM_010342) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npbwr1 (NM_010342) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Npbwr1
Synonyms: Gpr7; Nbpwr1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219420 representing NM_010342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATAACTTAACGCTTTTCGAGTCTGGAGGGGACAACGTGTCTTGGCGGGCTCATCTTTGGGCTGTC
 CCAACGGGTCCAGCCTGGCTCCTCTGCCGCTGCCGAGCCACTGGCGGTAGCAGTGCCTGTCGTCTACGG
 GGTAATTTGCGCCGTGGGACTGGCTGGCAACTCTGCGGTGCTGTACGTACTGCTGCGCACGCCGCGCATG
 AAGACTGTCACCAACGTGTTTCATCCTCAACCTGGCTATCGCCGATGAGCTCTTACCCTCGTGTGCCCCA
 TCAACATCGCGGACTTCTGCTGAGGCGCTGGCCCTTCGGGGAGGTGATGTGCAAGCTCATTGTAGCCGT
 CGACCAGTACAACACTTTCTCTAGCCTCTACTTCCCTCGCCGTCATGAGCGCCGACCGATACCTGGTGGTT
 CTGGCCACAGCAGAGTCGCGCCGGGTGTCCGGGCGCACTACGGTGCAGCGCGTGTGTCAGTCTGGCGG
 TGTGGGCGCTGGTGACGCTGGTGTGCTGCCCTTTGCGGTATTCGCTCGGCTGGACGAGGAGCAGGGTGC
 GCGCCAGTGCGTGTGCTTCCCGCAGCCGAGGCCCTTCTGGTGGCGTGCCAGCCGTCTCTACACACTA
 GTATTGGGCTTTGCCATCCCGGTGACCACCATCTGTGCTCTATACCACTCTGCTCTGCCGACTGCGTG
 CTATCCAGCTAGATAGCCACGCCAAGGCCCTGGATCGTGCCAAGAAGCGCGTGACCTTGTGGTGGCGGC
 GATTCTGGCTGTGTGCCTCCTCTGCTGGACGCCTTATCACCTGAGTACCATAGTGGCCCTCACACCCGAC
 CTCCCGCAAACGCCGCTGGTCATCGGCATCTTACTTCATCACAGCCTGAGCTATGCTAACAGCTGCC
 TCAACCTTTCTCTATGCCTTCTGGACGACAGCTTCCGAGAAGCCTCCGGCAATTGGTGTATGCCG
 TTCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219420 representing NM_010342
 Red=Cloning site Green=Tags(s)

MHNLTLFESGGDNVSCGGSSLGCPNGSSLAPLPLPQPLAVAVPVVYGVICAVGLAGNSAVLYVLLRTPRM
 KTVTNVFI LNLAIADELFTLVLPINIADFLLRRWPFGEVMCKLI VAVDQYNTFSSLYFLAVMSADRYLVV
 LATAESRRVSGRITYGAARAVSLAVWALVTLVVL PFAV FARLDEEQGRRQCVLVFPQPEAFWWRASRLYTL
 VLGFAIPVTTICALYTTLLCRLRAIQLD SHAKALDRAKKRVTLVAAILAVCLLCWTPYHLSTIVALTTD
 LPQTPLVIGISYFITSLSYANSCLNPFLYAFLLD DSFRRSLRQLVSCRSA

TRTRPLE - GFP Tag - V

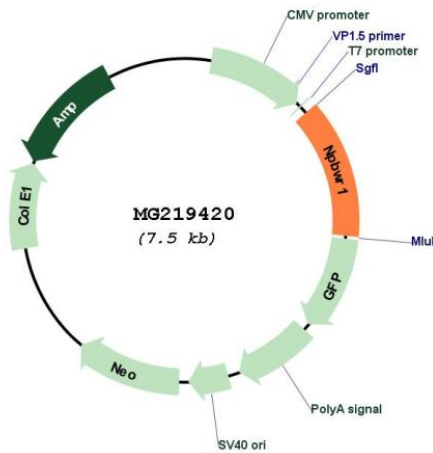
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010342

ORF Size: 987 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_010342.1 , NP_034472.1
RefSeq Size:	3692 bp
RefSeq ORF:	990 bp
Locus ID:	226304
UniProt ID:	P49681
Cytogenetics:	1 A1
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]