

## Product datasheet for **RG209677**

### NPBWR2 (NM\_005286) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPBWR2 (NM_005286) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPBWR2
Synonyms:	GPR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209677 representing NM_005286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATG**CGAGCCGCTGGGCACCCAGAGCCCCTTGACAGCAGGGGCTCCTTCTCCCTCCCCACGATGGGTGCCA**  
ACGTCTC**CAGGACAATGGCACTGGCCACAATGCCACCTTCTCCGAGCCACTGCCGTTCTCTATGTGCT**  
CCTGCCCGCGT**GTACTCCGGGATCTGTGCTGTGGGGCTGACTGGCAACACGGCCGTCATCCTTGAATC**  
CTAAGGGCGCC**CAAGATGAAGACGGTGACCAACGTGTTTCATCCTGAACCTGGCCGTCGCCGACGGGCTCT**  
TCACGCTGGT**ACTGCCTGTCAACATCGCGGAGCACCTGCTGCAGTACTGGCCCTTCGGGGAGCTGCTCTG**  
CAAGCTGGT**GCTGGCCGTCGACCACTACAACATCTTCTCCAGCATCTACTTCTAGCCGTGATGAGCGTG**  
GACCGATACCTGGTGGT**GCTGGCCACCGTGAGGTCCCAGCACATGCCCTGGCGCACCTACCGGGGGCGA**  
AGGTCCG**CAGCCTGTGTCTGGCTGGGCGTACGGTCTGGTTCTGCCCTTCTTCTCTTTTCGCTGGCGT**  
CTACAGCAACGAGCTGCAGGTCC**CAAGCTGTGGGCTGAGCTTCCCGTGGCCCGAGCAGGTCTGGTTCAAG**  
GCCAGCGTGTCTACACGTTGGT**CCTGGGCTTCGTGCTGCCCGTGTGCACCATCTGTGTGCTCTACACAG**  
ACCTCTGCGCAGGCTGCGGGCGT**GCGGCTCCGCTCTGGAGCCAAGGCTCTAGGCAAGGCCAGGCGGAA**  
GGTGACCGTCTGGTCTCGT**CGTGTGGCCGTGTGCCTCCTCTGCTGGACGCCCTTCCACCTGGCCTCT**  
GTCGTGGCCCTGACCACG**GACCTGCCCCAGACCCCACTGGTCATCAGTATGTCTACGTCATCACCAGCC**  
TCAGCTACGCC**AACTCGTGCTGAACCCCTTCTCTACGCCTTCTAGATGACAACCTCCGGAAGAACTT**  
CCG**CAGCATATTGCGGTGCTG**

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Reconstitution Method:**

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\\_005286.2](#), [NP\\_005277.2](#)

**RefSeq Size:** 1002 bp

**RefSeq ORF:** 1002 bp

**Locus ID:** 2832

**UniProt ID:** [P48146](#)

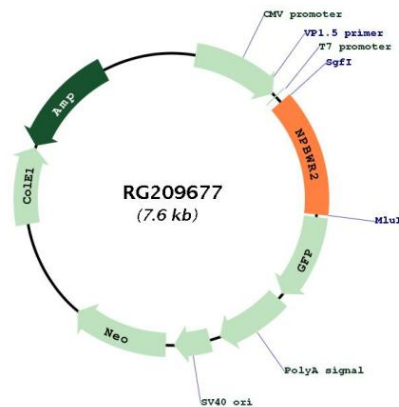
**Cytogenetics:** 20q13.33

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Gene Summary:** The protein encoded by this gene is an integral membrane protein and G protein-coupled receptor. The encoded protein is similar in sequence to another G protein-coupled receptor (GPR7), and it is structurally similar to opioid and somatostatin receptors. This protein binds neuropeptides B and W. This gene is intronless and is expressed primarily in the frontal cortex of the brain. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG209677