

## Product datasheet for **RC209677L4V**

### **NPBWR2 (NM\_005286) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	NPBWR2 (NM_005286) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NPBWR2
Synonyms:	GPR8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005286
ORF Size:	1001 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209677).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_005286.2</a>
RefSeq Size:	1002 bp
RefSeq ORF:	1002 bp
Locus ID:	2832
UniProt ID:	<a href="#">P48146</a>
Cytogenetics:	20q13.33
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction



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**MW:** 36.9 kDa

**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]