

## Product datasheet for **SC111597**

### **PBR (TSPO) (NM\_000714) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PBR (TSPO) (NM_000714) Human Untagged Clone
Tag:	Tag Free
Symbol:	PBR
Synonyms:	BPBS; BZRP; DBI; IBP; MBR; mDRC; PBR; PBS; pk18; PKBS; PTBR
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111597 sequence for NM_000714 edited (data generated by NextGen Sequencing) ATGGCCCCGCCCTGGGTGCCCGCCATGGGCTTCACGCTGGCGCCAGCCTGGGGTGCTTC GTGGGCTCCCGCTTTGTCCACGGCGAGGGTCTCCGCTGGTACGCCGCTGCAGAAGCCC TCGTGGCACCCGCCCACTGGGTGCTGGGCCCTGTCTGGGGCACGCTCTACTCAGCCATG GGGTACGGCTCCTACCTGGTCTGGAAAGAGCTGGGAGGCTTACAGAGAAGGCTGTGGTT CCCCTGGGCTCTACACTGGGCAGCTGGCCCTGAACTGGGCATGGCCCCCATCTTCTTT GGTGCCCGACAAATGGGCTGGGCCTTGGTGGATCTCCTGCTGGTCAGTGGGGCGGCGCA GCCACTACCGTGGCCTGGTACCAGGTGAGCCCGCTGGCCGCCCGCTGCTTACCCCTAC CTGGCCTGGCTGGCCTTCGCGACCACACTCAACTACTGCGTATGGCGGGACAACCATGGC TGGCGTGGGGACGGCGCTGCCAGAGTGA
	Clone variation with respect to NM_000714.4 439 a=>g



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_000714 unedited CACGAGGGAGCGTGCCCTCGCCGCTGAGCTCCCCTNGACAGCAGCTGCAGCAGCCATGGC CCCCCCTGGGTGCCCGCCATGGGCTTACGCTGGCGCCAGCCTGGGGTGCTTCGTGGG CTCCCGCTTTGTCCACGGCGAGGGTCTCCGCTGGTACGCCGGCCTGCAGAAGCCCTCGTG GCACCCGCCCACTGGGTGCTGGGCCCTGTCTGGGGCACGCTCTACTCAGCCATGGGGTA CGGCTCTACCTGGTCTGGAAAGAGCTGGGAGGCTTACAGAGAAGGCTGTGGTTCCCT GGGCCCTACACTGGGCAGCTGGCCCTGAACTGGGCATGGCCCCCATCTTCTTTGGTGC CCGACAAATGGGCTGGGCCTTGGTGGATCTCTGCTGGTCAAGTGGGGCGGCGGCAGCCAC TACCGTGGCCTGGTACCAGGTGAGCCCGCTGGCCGCGCCGCTGCTCTACCCCTACCTGGC CTGGCTGGCCTTCGCGACCACACTCAACTACTGCGTATGGCGGGACAACCATGGCTGGCG TGGGGGACGGCGGCTGCCAGAGTGAGTGCCCGGCCACCAGGGACTGCAGCTGCACCAGC AGGTGCCATCACGCTTGNTGATGTGGTGGCCGTACGCTTTCATGACCACTGGGCCTGCT AGTCTGTCAGGGCCTTGGCCCCAGGGTACAGAGCTTACAGAGGTGGCCCCA
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_000714 unedited TGATCAAAAATTTCTTCACTTATAAAAATTCCAGTTCCAGTACATGCTCTAAGCATGCAT AAAGCACAGGACTGCTCCCGGTGGGGGCTCATGTGGGGCCACCTCTGAAGCTCTGCT GACCCCTGGGCCAAGGCCCTGACAGACTATCAGGCCAGTGGTCATGAAAGCGTGACGGC CACCACATCACAAGCGTGATGGCACCTGCTGGTGCAGCTGCAGTCCCTGGTGGGCCGGGC ACTCACTCTGGCAGCCGCGTCCCCACGCCATCCATGGTTGTCCCGCCATACGCAGTAG TTGAGTGTGGTCGGAAGGCCAGCCAGGCCAGGTAGGGGTAGAGCAGGCCGGCGGCCAGC GGGCTCACCTGGTACCAGGCCACGGTAGTGGCTGCCGCCGCCCACTGACCAGCATGAGA TCCACCAAGGCCAGCCATTTGTCCGGCACCAAGAATATGGGGGGCCATGCCAGTTC AGGGCCAGCTGCCAGTGTAGAGGCCAGGGGAACCACAGGCTTCTCTGTGAAGCCTCCC AGCTCTTTCAGACCATGTAGGAGCCGTACCCCATGGCTGAGTAGATCGTGCCCCATACA GGGCCCATCACCCATTGGGGCGGGTGCACAGTGGCCTTTTGTAAAGCCGGCGTTCACGC GGATGACCCCTCGCCGTGGACAAAGCGGGAGTCCACGAAGCACCCCAAGCTGGGCGCCAG CGTGAATCCATGGCGGCCACCCATGGCGGGGCCATGGCTGCAGCACCTGCTGTACGGGA ACTTATCGGGGAAGGCCCTCTCCCCTCTGTGCCAATTCGCTGGCCGCTTATAGTGAGCC CTTTACAAAATCTGGTGGCTACCTAAAGAGCTCTGCTTTTTTAACCCCCACGCTCAAC CCTACCGCCCATTGCCGTTAAGGGGGGGGTTTTACAATTTTTGGAAGTCCCCTGACTCG GAGCCAAAATACTTCTTGACGCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000714
<b>Insert Size:</b>	890 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000714.4</a> , <a href="#">NP_000705.2</a>
<b>RefSeq Size:</b>	876 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	706
<b>UniProt ID:</b>	<a href="#">P30536</a>
<b>Cytogenetics:</b>	22q13.2
<b>Domains:</b>	TspO_MBR
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some benzodiazepines and has different affinities than its endogenous counterpart. The protein is a key factor in the flow of cholesterol into mitochondria to permit the initiation of steroid hormone synthesis. Alternatively spliced transcript variants have been reported; one of the variants lacks an internal exon and is considered non-coding, and the other variants encode the same protein. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (PBR) consists of four exons and encodes the protein PBR.</p>