

Product datasheet for SC117662

PNR (TAAR5) (NM_003967) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNR (TAAR5) (NM_003967) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNR
Synonyms:	PNR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003967, RT-PCR generated
 ATGAGAGCTGTCTTCATCCAAGGTGCTGAAGAGCACCCCTGCGGCATTCTGCTACCAGGTG
 AATGGGTCTTGCCCCAGGACAGTACATACTCTGGGCATCCAGTTGGTCATCTACCTGGCC
 TGTGCAGCAGGCATGCTGATTATCGTGCTAGGGAATGTATTTGTGCATTGCTGTGTCC
 TACTTCAAAGCGCTTCACACGCCACCAACTTCCTGCTGCTCTCCCTGGCCCTGGCTGAC
 ATGTTTCTGGGTCTGCTGGTGTGCCCTCAGCACCATTCGCTCAGTGGAGAGCTGCTGG
 TTCTTCGGGGACTTCTCTGCCGCTGCACACCTACCTGGACACCCTCTTCTGCCTCACC
 TCCATCTCCATCTCTGTTTCATTTCCATTGACCGCCACTGTGCCATCTGTGACCCCTG
 CTCTATCCCTCCAAGTTCACAGTGAGGGTGGCTCTCAGGTACATCCTGGCAGGATGGGG
 GTGCCCGCAGCATACACTTCGTTATTCCTCTACACAGATGTGGTAGAGACAAGGCTCAGC
 CAGTGGCTGGAAGAGATGCCTTGTGTGGCAGTTGCCAGCTGCTGCTCAATAAATTTTGG
 GGCTGGTTAAACTTCCCTTTGTTCTTTGTCCCCTGCCTCATTATGATCAGCTTGTATGTG
 AAGATCTTTGTGGTTGCTACCAGACAGGCTCAGCAGATTACCACATTGAGCAAAAGCCTG
 GCTGGGGCTGCCAAGCATGAGAGAAAAGCTGCCAAGACCCTGGGCATTGCTGTGGGCATA
 TACCTCTGTGCTGGCTGCCCTTACCATAGACACGATGGTCGACAGCCTCCTTCACTTT
 ATCACACCCCACTGGTCTTTGACATCTTATCTGGTTTGCTTACTTCAACTCAGCCTGC
 AACCCCATCATCTATGTCTTTTCTACCAGTGGTTTCGGAAGGCACTGAAACTCACACTG
 AGCCAGAAGGTCTTCTCACCGCAGACACGCACTGTTGATTTGTACCAAGAATGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003967 unedited GGGAACCTCGGATTTGTAACGACTTACTATAGGCGGCCGCGNATTCAGATCTGGTACCGA GCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTAATCATAAATGAGA GCTGTCTTCATCCAAGGTGCTGAAGAGCACCCCTGCGGCATTCTGCTACCAGGTGAATGGG TCTTGGCCCAAGACAGTACATACTCTGGGCATCCAGTTGGTCATCTACCTGGCCTGTGCA GCAGGCATGCTGATTATCGTGCTAGGGAATGTATTTGTGGCATTGTGCTGTGCTACTTTC AAAGCGTTTACACGCCCACTTCCCTGCTGCTCCTCCCTGGCCCTGGCTGACATGTTT CTGGGTCTGCTGGTGTGCCCTCAGCACCATTCGCTCAGTGGAGAGCTGCTGGTTCTTC GGGACTTCTCTGCCGCTGCACACCTACCTGGACACCCTCTTCTGCCTCACCTCCATC TTCCATCTCTGTTTCATTTCCATTGACCGCCACTGTGCCATCTGTGACCCCTGTCTAT CCCTCCAAGTTCACAGTGAAGGTGGCTCTCAGGTACATCCTGGCAGGATGGGGGTGCC GCAGCATAACACTCGTTATTCCTCTACACAGATGTGGTAGAGACAAGGCTCAGCCAGTGG CTGGAAGAGATGCCTTGTGTGGCAGTTGCCAGCTGCTGCTCAATAAATTTGGGGCTGG TTAAACTTCCCTTTGTTCTTTGTCCCTGCCTCATTATGATCAGTTGTATGTGAAGATC TTTGTGGTTGCTACCAGACAGGCTCAGCAGATTACCACATTGAGCAAAAGCCTGGCTGGN GCTGCCAAGCATGAGAGAAAAGCTGCCAAGACCCTGGGCATTGCTGTGGCATATACCTC CTGTGCTGGCTGCCCTTCA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003967 unedited NGGTATATCTGNACCGCGCCGCTGTGNAGGNTATCTGCANATTCGGCTTANAAGGAA TCATTCTTGGTACAAATCAACAGTGCCTGTCTGCGGTGAGAAGACCTTCTGGCTCAGTGT GAGTTTCAGTGCCTTCCGAAACCACTGGTAGGAAAAGACATAGATGATGGGGTTCAGGC TGAGTTGAAGTAAGCAAACCAGATAAAGATGTCAAAGACCAGTGGGGTGTGATAAAGTG AAGGAGGCTGTCGACCATCGTGTCTATGGTGAAGGGCAGCCAGCAAGAGGTATATGCC CACAGCAATGCCAGGGTCTTGGCAGCTTTTCTCTCATGCTTGGCAGCCCAAGCCAGGCT TTTGCTCAATGTGTAATCTGCTGAGCCTGTCTGGTAGCAACCACAAAGATCTTCACATA CAAGCTGATCATAATGAGGCAGGGGACAAAGAACAAGGGAAAGTTAACCAGCCCCAAAA TTTATTGAGCAGCAGCTGGCACTGCCACACAAGGCATCTCTCCAGCCACTGGCTGAG CCTGTCTCTACCACATCTGTGTAGAGGAATAACGAAGTGTATGCTGCGGGCACCCCA TCCTGCCAGGATGTACCTGAGAGCCACCCTCACTGTGAACTTGGAGGGATAGAGCAGGGG GTCACAGATGGCACAGTGGCGGTCAATGGAAATGAAACAGAGATGGAAGATGGAGGTGAG GCAGAAGAGGGTGTCCAGGTAGGTGTGCAGGCGGCAGAAGAAGTCCCCGAAAGACCAGAG CTCTCCACTGAGCGAATGGTGTGANGGGCAGCACCCAGCAGACCCAGAAACATGTCAGCC AGGGCCAGGGAGAGCAGCAGGAAGTTGGTGGGCGTGTGAAGCGCTTTGAAGTAGGCACA GCANATGCCACNATACATTTCTACACGATAATCA</p>
Restriction Sites:	Please inquire
ACCN:	NM_003967
Insert Size:	1900 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_003967.1</u> , <u>NP_003958.1</u>
RefSeq Size:	1014 bp
RefSeq ORF:	1014 bp
Locus ID:	9038
UniProt ID:	<u>O14804</u>
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Olfactory receptor specific for trimethylamine, a trace amine. Also activated at lower level by dimethylethylamine. Trimethylamine is a bacterial metabolite found in some animal odors, and to humans it is a repulsive odor associated with bad breath and spoiled food. This receptor is probably mediated by the G(s)-class of G-proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]