

## Product datasheet for **SC335653**

### NPSR1 (NM\_001300933) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPSR1 (NM_001300933) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPSR1
Synonyms:	ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335653 representing NM_001300933. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCCAGCAACTTCACAGAGGGCAGCTTCGATTCCAGTGGGACCGGCAGACGCTGGATTCTTCCCA
GTGGCTTGCACTGAAACAGTGACTTTTACTGAAGTGGTGGAAAGGAATGGGTTCTTCTACTAC
TCCTTTAAGACTGAGCAATTGATAACTCTGTGGTCTCTTTGTTTTTACCATTGTTGGAACTCCGTT
GTGCTTTTTTCCACATGGAGGAGAAAGAAGAAGTCAAGAATGACCTTCTTTGTGACTCAGCTGGCCATC
ACAGATATTAATTGGCGATTCAGTGGAGACTTCACGGCACCTGACCTGGTTTGGCGAGTGGTCCGCTAT
TTGCAGGTTGTGCTGCTCTACGCTCTACCTACGTCCTGGTGTCCCTCAGCATAGACAGATACCATGCC
ATCGTCTACCCCATGAAGTTCCTTCAAGGAGAAAAGCAAGCCAGGGTCTCATTGTGATCGCCTGGAGC
CTGTCTTTTCTGTCTCCATTCCCACCCTGATCATATTTGGGAAGAGGACTGTCCAACGGTGAAGTG
CAGTGTGGGGCCCTGTGGCCTGACGACTCTACTGGACCCATACATGACCATCGTGGCCTTCTGGTG
TACTTCATCCCTCTGACAATCATCAGCATCATGTATGGCATTGTGATCCGAACTATTTGGATTAAGC
AAAACCTACGAAACAGTGATTTCCAACCTGCTCAGATGGGAAACTGTGCAGCAGCTATAACCGAGGACTC
ATCTCAAAGGCCAAAAATCAAGGCTATCAAGTATAGCATCATCATTCTGCCTCATCTGCTGTTGG
AGTCCATACTTCTGTTTGACATTTTGGACAATTTCAACCTCCTCCAGACACCCAGGAGCGTTTCTAT
GCCTCTGTGATCATTCAGAACCAGCAGCATTGAATAGTCCATCAACCCCTCATCTACTGTGCTTC
AGCAGCTCCATCTCTTTCCCTGCAGGGTCATCGTCTCCGTCCAGTCCAGGAGGCTGCGCTAATGCTC
TGCCCTCAACGAGAGAACTGGAAGGGTACTTGGCCAGGTGTACCTTCTGGGCTCTTCCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300933



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<b>Insert Size:</b>	1101 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_001300933.1</a>
<b>RefSeq Size:</b>	1423 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	387129
<b>UniProt ID:</b>	<a href="#">Q6W5P4</a>
<b>Cytogenetics:</b>	7p14.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	42 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the vasopressin/oxytocin subfamily of G protein-coupled receptors. The encoded membrane protein acts as a receptor for neuropeptide S and affects a variety of cellular processes through its signaling. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Polymorphisms in this gene have also been associated with asthma susceptibility, panic disorders, inflammatory bowel disease, and rheumatoid arthritis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region, and uses an alternate 3-terminal exon, compared to variant 1. The encoded isoform (B short, 15947423) is shorter and has a distinct C-terminus, compared to isoform A.</p>