

Product datasheet for **SC308405**

NPSR1 (NM_207173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPSR1 (NM_207173) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPSR1
Synonyms:	ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_207173 edited TCAGCTGCAGGAGCAAGGACAGTGAGGCTCAACCCCGCCTGAGCCATGCCAGCCAACTTC ACAGAGGGCAGCTTCGATTCCAGTGGGACCGGGCAGACGCTGGATTCTTCCCAGTGGCT TGCACTGAAACAGTGACTTTTACTGAAGTGGTGAAGGAAAGGAATGGGGTTCTTCTAC TACTCCTTTAAGACTGAGCAATTGATAACTCTGTGGTCTCTTTGTTTTTACCATTGTT GGAAACTCCGTTGTGCTTTTTCCACATGGAGGAGAAAGAAGAAGTCAAGAATGACCTTC TTTGTGACTCAGCTGGCCATCACAGATTCTTTCACAGGACTGGTCAACATCTTGACAGAT ATTAATTGGCGATTCACTGGAGACTTCACGGCACCTGACCTGGTTTGCCGAGTGGTCCGC TATTTGCAGGTTGTGCTGCTCTACGCCTCTACCTACGTCTGGTGTCCCTCAGCATAGAC AGATACCATGCCATCGTCTACCCCATGAAGTTCCTTCAAGGAGAAAAGCAAGCCAGGGTC CTCATTGTGATCGCCTGGAGCCTGTCTTTCTGTCTCCATTCCCACCCTGATCATATTT GGGAAGAGGACACTGTCCAACGGTGAAGTGCAGTGTGGGCCCTGTGGCCTGACGACTCC TACTGGACCCCATACATGACCATCGTGGCCTTCCCTGGTGTACTTCATCCCTCTGACAATC ATCAGCATCATGTATGGCATTGTGATCCGAACTATTTGGATTAAGCAAAAACCTACGAA ACAGTGATTTCCAAGTGCAGATGGGAAACTGTGCAGCAGCTATAACCGAGGACTCATC TCAAAGGCAAAAATCAAGGCTATCAAGTATAGCATCATCATATTCTTGCCTTCACTGC TGTTGGAGTCCATACTTCTGTTGACATTTGGACAATTTCAACCTCCTCCAGACACC CAGGAGCGTTTCTATGCCTCTGTGATCATTGAGAACCTGCCAGCATTGAATAGTGCCATC AACCCCTCATCTACTGTGCTTTCAGCAGCTCCATCTCTTCCCCTGCAGGGTCAATCCGT CTCCGTACGCTCCAGGAGGCTGCGCTAATGCTCTGCCCTCAACGAGAGAACTGGAAGGGT ACTTGGCCAGGTGTACCTTCTGGGCTCTTCCAAGGTGACAGCTCTCACCTGTGCTGCA GGTGGCCCTGTGCTGGTCCACTTCTCACTGCTTACCAGGGCACAAGGA
Restriction Sites:	Please inquire
ACCN:	NM_207173
Insert Size:	1300 bp



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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).
OTI Annotation:	The ORF of this clone is found to be a perfect match to the ORF of the RefSeq sequence, NM_207173.1.
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:	NM_207173.1 , NP_997056.1
RefSeq Size:	1410 bp
RefSeq ORF:	1134 bp
Locus ID:	387129
UniProt ID:	Q6W5P4
Cytogenetics:	7p14.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<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 (2) uses an alternate 3' terminal exon, compared to variant 1. The encoded isoform (B, PMID: 15947423) has a longer and distinct C-terminus, compared to isoform A.</p>