

Product datasheet for RC237919

NPSR1 (NM_001300935) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: NPSR1 (NM_001300935) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: NPSR1
 Synonyms: ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC237919 representing NM_001300935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCAGCCAAC TTCACAGAGGGCAGCTTCGATTCCAGTGGGACCGGGCAGACGCTGGATTCTTCCCAG
 TGGCTTGCACTGAAACAGTGACTTTTACTGAAGTGGTGGAAAGGAATGGGGTTCCTTCTACTACTC
 CTTTAAGACTGAGCAATTGATAACTCTGTGGTCTCTTTGTTTTACCATTGTTGGAACTCCGTTGTG
 CTTTTTCCACATGGAGGAGAAAGAAGTCAAGAATGACCTTCTTTGTGACTCAGCTGGCCATCACAG
 ATTCTTTCACAGGACTGGTCAACATCTTGACAGATATAATTGGCGATTCACTGGAGACTTCACGGCACC
 TGACCTGGTTTGGCGAGTGGTCCGCTATTTGCAGGTTGTGCTGCTCTACGCCCTCTACCTACGTCCTGGT
 TCCCTCAGCATAGACAGATACCATGCCATCGTCTACCCCATGAAGTTCCTTCAAGGAGAAAAGCAAGCCA
 GGGTCTCATTGTGATCGCCTGGAGCCTGTCTTTCTGTTCTCCATTCCCACCCTGATCATATTTGGGAA
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 ATGACCATCGTGGCCTTCTGGTACTTCATCCCTCTGACAATCATCAGCATCATGTATGGCATTGTGA
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 CAGCAGCTATAACCGAGGACTCATCTCAAAGGCAAAAATCAAGGCTATCAAGTATAGCATCATCATATT
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 ACACCCAGGAGCGTTTCTATGCCTCTGTGATCATTGAGAACTGCCAGCATTGAATAGTCCATCAACCC
 CCTCATCTACTGTCTTCCAGCAGCTCCATCTCTTTCCCTGCAGGGCTAATAGCAGTGTCTACCTGTTG
 GCCTGTGATGTCTCTGCTCTGGGCTCTGGTCTGACCAGTGAGAAGGAGAGCTGTGAGTCATGGAGAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC237919 representing NM_001300935
Red=Cloning site Green=Tags(s)

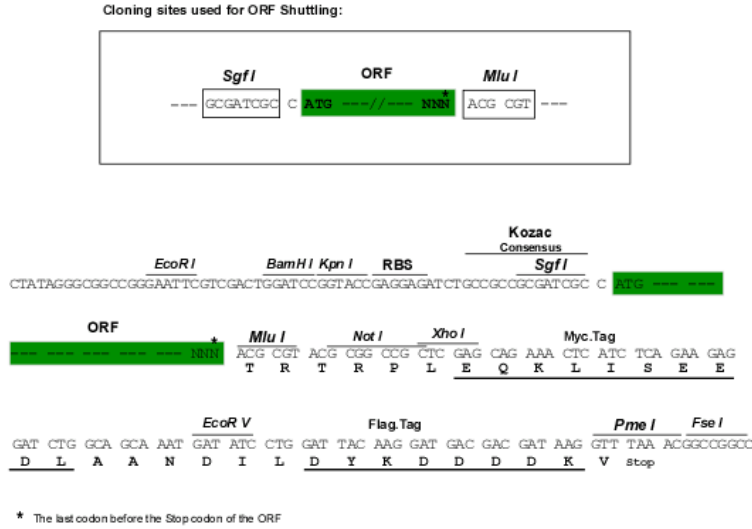
MPANFTEGSFDSSSGTQGLDSSPVACTETVTFTEVVEGKEWGSFYYSFKTEQLITLWLVFVFTIVGNSV
 LFSTWRRKKKSRMTFFVTQLAITDSFTGLVNILTDINWRFTGDFAPDLVCRVVRYLQVVLLYASTYVLV
 SLSIDRYHAIVYPMKFLQGEKQARVLIVIAWSLSFLFSIPTLIIFGKRTLNSGEVQCWALWPDDSYWTPY
 MTIVAFLVYFIPLTIISIMYGIVIRTIWIKSKTYETVISNCSDGKLCSSYNRGLISKAKIKAIKYSIIII
 LAFICWSPYFLFDILDNFLLPDTQERFYASVIIQNLPALNSAINPLIYCVFSSSISFPCRANSSVYLL
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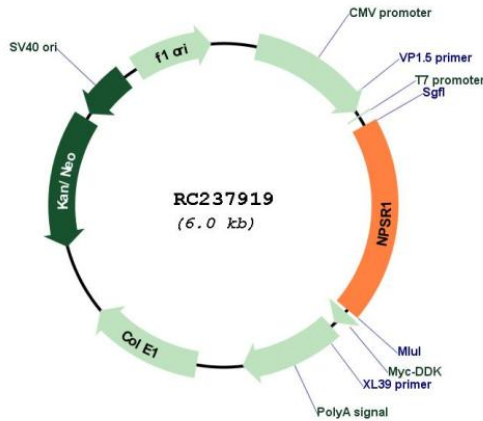
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001300935

ORF Size:	1170 bp
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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001300935.1 , NP_001287864.1
RefSeq Size:	1713 bp
RefSeq ORF:	1173 bp
Locus ID:	387129
UniProt ID:	Q6W5P4
Cytogenetics:	7p14.3
Protein Families:	Druggable Genome, Transmembrane
MW:	44.7 kDa
Gene Summary:	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]