

Product datasheet for **RG237919**

NPSR1 (NM_001300935) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPSR1 (NM_001300935) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPSR1
Synonyms:	ASRT2; GPR154; GPRA; NPSR; PGR14; VRR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237919 representing NM_001300935. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGCAACTTCACAGAGGGCAGCTTCGATTCCAGTGGGACCGGGCAGACGCTGGATTCTTCCCA
GTGGCTTGCACTGAAACAGTGACTTTTACTGAAGTGGTGAAGGAAAGGAATGGGGTTCTTCTACTAC
TCCTTTAAGACTGAGCAATTGATAACTCTGTGGTCTCTTTGTTTTACCATTGTTGGAACTCCGTT
GTGCTTTTTCCACATGGAGGAGAAAGAAGAAGTCAAGAATGACCTTCTTTGTGACTCAGCTGGCCATC
ACAGATTCTTTCACAGGACTGGTCAACATCTTGACAGATATTAATTGGCGATTCACTGGAGACTTCAG
GCACCTGACCTGGTTTGGCGAGTGGTCCGCTATTTGCAGGTTGTGCTGCTCTACGCTCTACCTACGTC
CTGGTGTCCCTCAGCATAGACAGATACCATGCCATCGTCTACCCCATGAAGTTCTTCAAGGAGAAAAG
CAAGCCAGGGTCTCATTGTGATCGCCTGGAGCCTGTCTTTTCTGTTCTCCATTCCCACCCTGATCATA
TTTGGGAAGAGGACACTGTCCAACGGTGAAGTGCAGTGTGGCCCTGTGGCCTGACGACTCCTACTGG
ACCCCATACATGACCATCGTGGCCTTCTGGTGTACTTCATCCCTCTGACAATCATCAGCATCATGTAT
GGCATTGTGATCCGAACTATTTGGATTAAGCAAAACCTACGAAACAGTGATTTCCAACGTCTCAGAT
GGGAAACTGTGCAGCAGCTATAACCGAGGACTCATCTCAAAGGCAAAAATCAAGGCTATCAAGTATAGC
ATCATCATATTCTTGCCTTCTCTGCTGTTGGAGTCCATACTTCTGTTGACATTTGGACAATTTT
AACCTCCTTCCAGACACCCAGGAGCGTTTCTATGCCTCTGTGATCATTGAGCACTGCCAGCATTGAAT
AGTGCCATCAACCCCTCATCTACTGTGCTTTCAGCAGCTCCATCTTTCCCTGCAGGGCTAATAGC
AGTGTCTACCTGTTGGCCTGTGATGTCTCTGCTCTGGGCTCTGGTGTGCTGACAGTGAGAGGAGAGC
TGTGAGTCATGGAGAAGGAAGGGAGCAAAGATCACAGGATTCCAGAATGACGTTCCGGGAGAGAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237919
 Blue=ORF Red=Cloning site Green=Tag(s)

MPANFTEGSFDSSSGTGQTLDSSPVACTETVTFTEVVEGKEWGSFYYSFKTEQLITLWLVFVFTIVGNSV
 VLFSTWRRKKKSRMTFFVTQLAITDSFTGLVNILTDINWRFTGDFAPDLVCRVVRYLQVLLYASTYV
 LVLSIDRYHAIYVPMKFLQGEKQARVLIVIAWSLSFLFSIPTLIIFGKRTLNGEVQCWALWPDDSYW
 TPYMTIVAFVLVYFIPLTIIISIMYGIVIRTIWIKSKTYETVISNCSDGKLCSSYNRGLISKAKIKAIKYS
 IIIILAFICCWSPYFLFDILDNFNLLPDTQERFYASVIIQNLPALNSAINPLIYCVFSSSISFPCRANS
 SVYLLACDVSVLWALVLTSEKESCESWRRKGAKITGFQNDVPGEN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

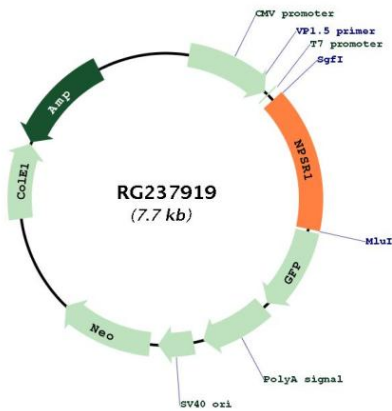
RefSeq: [NM_001300935.1](#), [NP_001287864.1](#)

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]

Product images:



Circular map for RG237919