

Product datasheet for **MC214403**

Npsr1 (NM_175678) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npsr1 (NM_175678) Mouse Untagged Clone
Tag: Tag Free
Symbol: Npsr1
Synonyms: 9330128H10Rik; Gpr154; GPRA; MVTR; PGR14; VRR1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214403 representing NM_175678
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCAGCCAACCTCACAGAGGGCAGCTTTCATGCCAACCAGACTGTGCCGATGCTAGATTCTTCCCAG
TAGCTTGCCTGAAATTTGACGTTCACTGAAGCACTGGTGGCTGAGGAGTGGGGCTCCTTCTACTCCTC
CTTTAAGACAGAACAGCTGATAACCCTGTGGTCTGTTGTGCTCACTATTGTGGAACTCTGTTGTG
CTGTTCTCCACGTGCAGAAAGAAAAGAAAGTCCAGAATGACCTTCTTTGTGACACAATTGCCATCACAG
ACTCCTTACGGGCTGATCAACATCTTGACAGACATTATTTGGCGATTACAGGAGACTTCATGGCCCC
TGACCTGGTTTGACAGAGTCGTCGCTACTTGCAGGTTGTCCTGCTGTATGCCTCTACCTACGTCCTGGT
TCCCTCAGCATAGACAGATACCATGCCATCGTTTACCCCATGAAGTTTCTTCAAGGAGAGAAGCAAGCCA
AAGTCCTCATCGGAATAGCGTGGAGCCTCTCGTTCCTGTTCTCCATTCCCACGCTGATCATATTTGGAA
AAGGACACTTTCCAATGGTGAGGTGCAGTGTGGCCACTGTGGCCGATGACTCCTACTGGACCCCGTAC
ATGACCATCGTCGCTTTCTGGTACTTCATTCCTTGGCAATTATCAGCGTTATCATGGCCTGTGA
TCCGAACTATTTGGATGAAAAGCAAAACCCATGAGACGGTGATTTCCAACTGCTCAGATGGCAAATAG
CTGCAGCTACAACCGAGGGCTCATCTCTAAGGCAAAAATCAAGGCCATCAAGTATAGCATCGTCATAATC
CTTGCTTTCATCTGCTGCTGGAGCCCACTTCTCTTTGACATATTAGACAACCTCAACGTCCTCCAG
ACACCAAGGAGCGTTTCTATGCCTCTGTGATTATCCAGAACCCTGCCCGCCTTGAACAGTGCCATTAACCC
CCTCATCTACTGCATCTTCAAGCAGCTCCATCTGCTCCCCCTGCAAGATGCAAAGATCACAGGATCCAGA
ATGACATACCGAGAGAGAAGCGAGAGACACGAGATGCAGATTCTCTCCAAGCCGGAATTCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175678



Insert Size:	1116 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_175678.3, NP_783609.1</u>
RefSeq Size:	3791 bp
RefSeq ORF:	1116 bp
Locus ID:	319239
UniProt ID:	<u>Q8BZP8</u>
Cytogenetics:	9 A3- A4
Gene Summary:	G-protein coupled receptor for neuropeptide S (NPS). Promotes mobilization of intracellular Ca(2+) stores. Inhibits cell growth in response to NPS binding. Involved in pathogenesis of asthma and other IgE-mediated diseases.[UniProtKB/Swiss-Prot Function]