

Product datasheet for **MG218158**

Npsr1 (NM_175678) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npsr1 (NM_175678) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Npsr1
Synonyms:	9330128H10Rik; Gpr154; GPRA; MVTR; PGR14; VRR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218158 representing NM_175678 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCCAACCTCACAGAGGGCAGCTTTCATGCCAACCAGACTGTGCCGATGCTAGATTCTTCCCAG
TAGCTTGCACTGAAATTGTGACGTTCACTGAAGCACTGGTGGCTGAGGAGTGGGGCTCCTTCTACTCCTC
CTTTAAGACAGAACAGCTGATAACCCTGTGGTCTGTTGTGTCGACTATTGTGGAAACTCTGTTGTG
CTGTTCTCCACGTGCAGAAGAAAAGAAAGTCCAGAATGACCTTCTTTGTGACACAATTGGCCATCACAG
ACTCCTTCACGGCCTGATCAACATCTTGACAGACATTATTTGGCGATTCACAGGAGACTTCATGGCCCC
TGACCTGGTTTGACAGAGTCGTCCTACTTGCAGGTTGTCTGCTGTATGCCTCTACCTAGTCCCTGGTG
TCCTCAGCATAGACAGATACCATGCCATCGTTTACCCCATGAAGTTTCTTCAAGGAGAGAAGCAAGCCA
AAGTCTCATCGGAATAGCGTGGAGCCTCTCGTTCCTGTTCTCCATTCCCACGCTGATCATATTTGGGAA
AAGGACACTTTCCAATGGTGAGGTGAGTGCTGGGCACTGTGGCCGGATGACTCCTACTGGACCCCGTAC
ATGACCATCGTCGCTTCTGTTGACTTCACTCCCTTGGCAATTATCAGCGTTATCTATGGCCTTGTGA
TCCGAATATTTGGATGAAAAGCAAAACCCATGAGACGGTGATTTCCTCAACTGCTCAGATGGCAAATATG
CTGCAGCTACAACCGAGGGCTCATCTCTAAGGCAAAAATCAAGGCCATCAAGTATAGCATCGTCATAATC
CTTGCTTTCATCTGCTGCTGGAGCCATACTTCTTTGACATATTAGACAATTCAACGTCCTTCCAG
ACACCAAGGAGCGTTTCTATGCCTCTGTGATTATCCAGAACCCTGCCCGCTTGAACAGTGCCATTAACCC
CCTCATCTACTGCATCTTCAGCAGCTCCATCTGCTCCCCCTGCAAGATGCAAAGTACACAGGATCCAGA
ATGACATACCGAGAGAGAAGCGAGAGACACGAGATGCAGATTCTCTCAAGCCGGAATTCATC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218158 representing NM_175678
 Red=Cloning site Green=Tags(s)

MPANLTEGSFHANQTPMLDSSPVACTEIVTFTEALVAEEWGSFYSSFKTEQLITLWVLFVVTIVGNSV
 LFSTCRRKRKSRMTFFVTQLAITDSFTGLINILTDIIWRFTGDFMAPDLVCRVRYLQVVLLYASTYVLV
 SLSIDRYHAIVYPMKFLQGEKQAKVLIGIAWSLSLFSIPTLIIFGKRTLNGEVQCWALWPDDSYWTPY
 MTIVAFLVYFIPLAIIISVIYGLVIRTIWMKSKTHETVISNCSDBGKLCSSYNRGLISKAKIKAIKYSIVII
 LAFICCWSPYFLFDILDNFNVLPTDKERFYASVVIQNLPALNSAINPLIYCIFSSSICSPCKMQRSQDSR
 MTYRERSERHEMQILSKPEFI

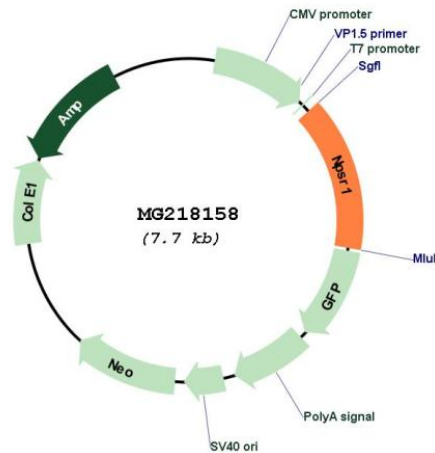
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_175678

ORF Size:	1113 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>
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_175678.3 , NP_783609.1
RefSeq Size:	3791 bp
RefSeq ORF:	1116 bp
Locus ID:	319239
UniProt ID:	Q8BZP8
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]