

## Product datasheet for **RG219456**

### GPR 139 (GPR139) (NM\_001002911) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR 139 (GPR139) (NM_001002911) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR139
Synonyms:	GPRg1; PGR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219456 representing NM_001002911 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCACACGCACGCCACCTCGCAGCCAACAGCTCGCTGTCTTGGTGGTCCCCGGCTCGGCCTGCG  
GCTTGGGTTTCGTGCCGTGGTCTACTACAGCCTCTTGTGTGCCTCGGTTTACCAGAAATATCTTGAC  
AGTGATCATCCTCTCCAGCTGGTGGCAAGAAGACAGAAGTCTCCTACAACATCTCTTGGCACTCGT  
GCTGCCGACATCTTGGTCTCTTTTTCATAGTGTGGTGGACTTCTGTGGAAGATTTTCATCTTGAACA  
TGCAGATGCCTCAGGTCCCCGACAAGATCATAGAAGTGTGGAATCTCATCCATCCACACCTCCATATG  
GATTACTGTACCGTTAACATTGACAGGTATATCGCTGTCTGCCACCCGCTCAAGTACCACACGGTCTCA  
TACCCAGCCCGCACCCGAAAGTCAATTGTAAGTGTTCATCACCTGCTTCTGACCAGCATCCCTATT  
ACTGGTGGCCCAACATCTGGACTGAAGACTACATCAGCACCTCTGTGCATCACGCTCTCATCTGGATCCA  
CTGCTTACCCTCTACCTGGTGCCTGTCCATCTTCTTTCATCTTGAACCAATCATTGTGTACAAGCTC  
AGGAGGAAGAGCAATTTTCGTCTCCGTGGCTACTCCACGGGAAGACCACCGCCATCTTGTTCACCATTA  
CCTCCATCTTGGCCACACTTTGGGCCCCCGCATCATCATGATTCTTTACCACCTCTATGGGGCGCCCAT  
CCAGAACCCTGGCTGGTRCACATCATGTCCGACATTGCCAACATGCTAGCCCTTCTGAACACAGCCATC  
AACTTCTTCTCTACTGCTTTCATCAGCAAGCGTTCCGCACCATGGCAGCCGCCACGCTCAAGGCTTCT  
TCAAGTGCCAGAAGCAACTGTACAGTTCTACACCAATCATAAATTTCCATAACAAGTAGCCCTGGAT  
CTCGCCGCAAACTCACACTGCATCAAGATGCTGGTGTACCAGTATGACAAAAATGGAAAACCTATAAAA  
GTATCCCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219456 representing NM\_001002911  
 Red=Cloning site Green=Tags(s)

MEHTHAHLAANSSLSWWSPPGACGLGFVPPVYYSLLLCLGLPANILTVIILSQLVARRQKSSYNYLLALA  
 AADILVLFVIVFVDFLEDFILNMQMPQVPDKIEVLEFSSIHSTIWITVPLTIDRYIAVCHPLKYHTVS  
 YPARTRVIVSVYITCFLTSIPYYWPNIWTEYISTSVHHLIWIHCFVYLVPCSIFFILNSIIVYKL  
 RRKSNFRLRGYSTGKTTAILFTITSIFATLWAPRIIMILYHLYGAPIQNRWLXHIMSDIANMLALLNTAI  
 NFFLYCFISKRFRTMAAATLKAFFKCKQKQPVQFYTNHNFSTSSPWI SPANSHCIKMLVYQYDKNGKPIK  
 VSP

TRTRPLE - GFP Tag - V

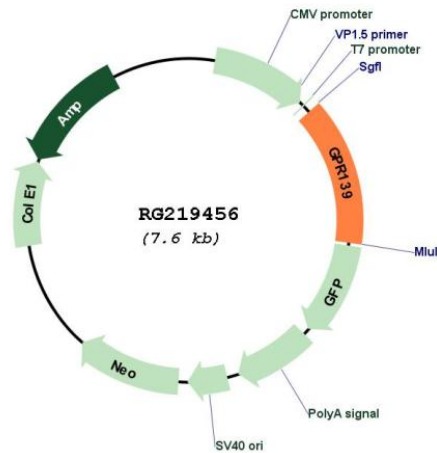
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001002911

<b>ORF Size:</b>	1059 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001002911.1</a> , <a href="#">NP_001002911.1</a>
<b>RefSeq Size:</b>	1167 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	124274
<b>UniProt ID:</b>	<a href="#">Q6DWJ6</a>
<b>Cytogenetics:</b>	16p12.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the rhodopsin family of G-protein-coupled receptors. The encoded protein is almost exclusively expressed in the central nervous system. L-tryptophan and L-phenylalanine may act as the physiologic ligands of the encoded protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]