

## Product datasheet for **RG211296**

### GPR26 (NM\_153442) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR26 (NM_153442) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211296 representing NM_153442 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACTCGTGGGACGCGGGCTGGCGGGCTACTGGTGGGCACGATGGGCGTCTCGCTGCTGTCCAACG  
CGCTGGTCTGCTCTGCCTGCTGCACAGCGCGGACATCCGCCGCCAGGCGCCGGCGCTCTTACCCTGAA  
CCTCACGTGCGGGAACCTGCTGTGCACCGTGGTCAACATGCCGCTCACGCTGGCCGGCGTCTGGCGCAG  
CGGCAGCCGGCGGGGACCGCCTGTGCCGCTGGCTGCCTTCTCGACACCTTCTGGCTGCCAACTCCA  
TGCTCAGCATGGCCGCGCTCAGCATCGACCGCTGGTGGCGTGGTCTTCCCGTGAAGTACCGGCCAA  
GATGCGCCTCCGCGACGCGGCGCTCATGGTGGCCTACACGTGGCTGCACGCGCTCACCTTCCCAGCGCC  
GCGCTCGCCCTGTCTGGCTCGGCTTCCACCAGCTGTACGCTCGTGCACGCTGTGCAGCCGGCGCCGG  
ACGAGCGCTGCGCTTCCGCTTCTACTGGCGCTTCCACGCTCTCAGCTTCTGCTCTCCTTCGTCGT  
GCTCTGCTGCACGTACCTCAAGGTGCTCAAGGTGGCCCGCTTCCATTGCAAGCGCATCGACGTGATCACC  
ATGCAGACGCTCGTGTGCTGGTGGACCTGCACCCAGTGTGCGGGAACGCTGTCTGGAGGAGCAGAAGC  
GGAGGCGACAGCGAGCCACCAAGAAGATCAGCACCTTCAAGGGACCTTCTTGTGTCTTCGCGCCCTA  
TGTGATCACCAGGCTAGTGGAGCTTCTCCACGGTGGCCATCGGCTCCCACTGGGGGTGCTGTCCAAG  
TGCTTGGCGTACAGCAAGGCCGATCCGACCCCTTGTGTACTCCTTACTGCGACACCAGTACCGCAAAA  
GCTGCAAGGAGATTCTGAACAGGCTCCTGCACAGACGCTCCATCCACTCCTCTGGCTCACAGGCGACTC  
TCACAGCCAGAATTCTGCCGGTGTCTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211296 representing NM\_153442  
Red=Cloning site Green=Tags(s)

MNSWDAGLAGLLVGTMGVSLLSNALVLLCLLHSA DIRRQAPALFTLNLTCGNLLCTVVNMPLTLAGVVAQ  
 RQPAGDRLCRLAAFLDTFLAANSMLSMAALSIDRWVAVVFPLSYRAKMRLRDAALMVAYTWLHALTFPAA  
 ALALS WLGFHQLYASCTLC SRRPDERLRF AVFTGAFHALS FLLSFVLLCCTYLKVLKVARFHCKRIDVIT  
 MQTLVLLVDLHPSV RERCL EEQKRRRQRATKKISTF IGTF L VCFAPYVITRLVELFSTVPIGSHWGLSK  
 CLAYSKAASDPFVYSLLRHQYRKSCKEILNRL LHRRSIHSSGLTGDSHSQNILPVE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153442

**ORF Size:** 1011 bp

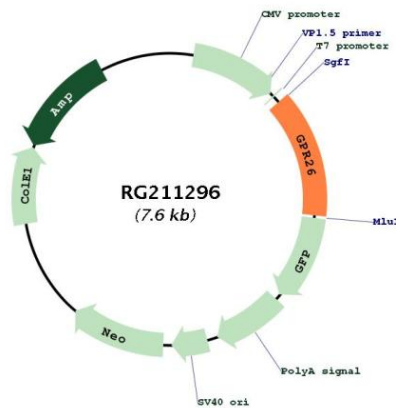
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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"><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>
RefSeq:	<a href="#">NM_153442.1</a> , <a href="#">NP_703143.1</a>
RefSeq Size:	7512 bp
RefSeq ORF:	1014 bp
Locus ID:	2849
UniProt ID:	<a href="#">Q8NDV2</a>
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes a G protein-couple receptor protein. G-protein-coupled receptors are a large family of membrane proteins that are involved in cellular responses to environmental stimuli, neurotransmitters, and hormones. The encoded protein may play a role in neurodegenerative diseases. Epigenetic silencing of this gene has been observed in gliomas. [provided by RefSeq, Sep 2016]

### Product images:



Circular map for RG211296