

Product datasheet for **RG214357**

GPR115 (ADGRF4) (NM_153838) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR115 (ADGRF4) (NM_153838) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADGRF4
Synonyms:	GPR115; PGR18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

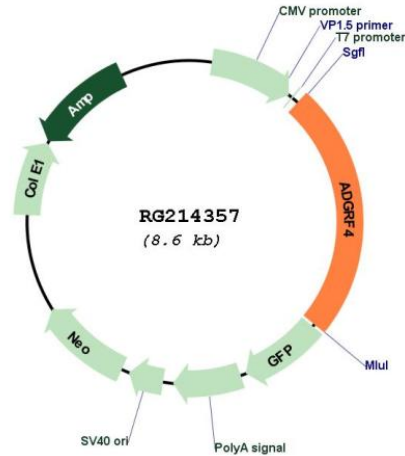
>RG214357 representing NM_153838
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAATGAAGTCCCAGGCAACCATGATTTGCTGCTTAGTGTTCTTTCTGTCCACAGAATGTTCCCACT
ATAGATCCAAGATTCACCTAAAAGCTGGAGATAAACTTCAAAGCCCTGAAGGGAAACCAAGACTGGAAG
GATCCAAGAGAAATGCGAAGGACCTTGATTTCTTCTTCCAACCTGCAGCCAGCCCTGTGCTAAGGACTTT
CATGGAGAAATAGGATTTACATGTAATCAAAAAAGTGGCAAAAAATCAGCTGAAACATGTACAAGCCTTT
CTGTGGAAAACTCTTTAAGGACTCAACTGGTGCATCTCGCCTTTCTGTAGCAGCACCATCTATACTCT
GCATATTCTAGACTTTGAGCTCCAGAGACCATTGAGAGTGTAGCTCAAGGAATCCGTAAGAAGTCCCC
TTTGATTATGCCTGCATCACTGACATGGTAAAATCATCAGAAACAACATCTGAAATATTGCATTTATAG
TGGAGTTATTAATAAATATTTCTACAGACTTGTCTGATAATGTTACTCGAGAGAAAATGAAGAGCTATAG
TGAAGTGGCCAACCACATCCTCGACACAGCAGCCATTTCAAAGTGGCTTTCATTCCAACAAAAATGCC
AGCTCGGATTTGTTGCAGTCAGTGAATTTGTTTGGCAGACAACCTCCACATCCACAATAATTTGAGAACA
TTGTGAATGAAGTCTTCATTCAGACAAAAGGGTTTCACATCAACCATAATACCTCAGAGAAAAGCCTCAA
TTTCTCCATGAGCATGAACAATACCACAGAAGATATCTTAGGAATGGTACAGATTCACAGGCAAGAGCTA
AGGAAGCTGTGGCCAAATGCATCCCAAGCCATTAGCATAGCTTTCCCAACCTTGGGGGCTATCCTGAGAG
AAGCCACTTGCAAAATGTGAGTCTTCCAGACAGGTAATGGTCTGGTGTATCAGTGGTTTTACCAGA
AAGTTTGAAGAAATCATACTCACCTTCGAAAAGATCAATAAAACCCGCAATGCCAGAGCCCAAGTGTGT
GGCTGGCACTCCAAGAAAAGGAGATGGGATGAGAAAGCGTCCAAATGATGTTGGATATCAGGAACGAAG
TGAATGCCGCTGTAACACACCAGTGTGGTGTGCTTTTTTCCATTCTCATGTCTCCAAATCGATGAC
CGACAAAATTTCTGGACTACATCACCTGCATTGGGCTCAGCGTCTCAATCCTAAGCTTGGTTCTTTGCCTG
ATCATTGAAGCCACAGTGTGGTCCCGGGTGGTTGTGACGGAGATATCATACATGCGTCACGTGTGCATCG
TGAATATAGCAGTGTCCCTTCTGACTGCCAATGTGTGGTTATCATAGGCTCTCACTTTAACATTAAGGC
CCAGGACTACAACATGTGTGTTGCAGTGACATTTTTCAGCCACTTTTTCTACCTCTCTGTTTTTCTGG
ATGCTCTTCAAAGCATTGCTCATATTTATGGAATATTGGTCATTTTCCGTAGGATGATGAAGTCCCGAA
TGATGGTCATTGGCTTTGCCATTGGCTATGGGTGCCATTGATCATTGCTGCTACTACAGTTGCTATCAC
AGAGCCAGAGAACGGCTACATGAGACCTGAGGCCTGTTGGCTTAACTGGGACAATACCAAAGCCCTTTTA
GCATTTGCCATCCCGGCTTCGTCATTGTGGCTGTAATCTGATTGTGGTTTTGGTTGTTGCTGTCAACA
CTCAGAGGCCCTCTATTGGCAGTTCCAAGTCTCAGGATGTGGTCATAATTATGAGGATCAGCAAAAATGT
TGCCATCCTCACTCCACTGCTGGGACTGACCTGGGGTTTTGGAATAGCCACTCTCATAGAAGGCCTTCC
TTGACGTTCCATATAATTTTGCCTTGCTCAATGCTTTCCAGGGTTTTTTCATCCTGCTGTTTGGAAACCA
TTATGGATCACAAGATAAGAGATGCTTTGAGGATGAGGATGTCTTCACTGAAGGGGAAATCGAGGGCAGC
TGAGAATGCATCACTAGGCCCAACCAATGGATCTAAATTAATGAATCGTCAAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:



ACCN: NM_153838

ORF Size: 2085 bp

OTI Disclaimer: 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.

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:

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_153838.2](#), [NP_722580.2](#)

RefSeq Size: 2574 bp

RefSeq ORF: 2088 bp

Locus ID: 221393

UniProt ID: [Q8IZF3](#)

Cytogenetics: 6p12.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Sequence analysis of this gene suggests that it encodes a member of the superfamily of G protein-coupled receptors. G protein-coupled receptors typically contain seven hydrophobic transmembrane domains, interact with guanine nucleotide binding regulatory proteins, and detect molecules outside the cell and act to transduce these signals into intracellular responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2016]