

Product datasheet for **RC214357**

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:	Myc-DDK
Symbol:	GPR115
Synonyms:	GPR115; PGR18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC214357 representing NM_153838
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAAATGAAGTCCAGGCAACCATGATTTGCTGCTTAGTGTTCTTTCTGTCCACAGAATGTTCCCACT
 ATAGATCCAAGATTACCTAAAAGCTGGAGATAAACTTCAAAGCCCTGAAGGGAAACCAAGACTGGAAG
 GATCCAAGAGAAATGCGAAGGACCTTGATTTCTTCTTCCAACGCGCCAGCCCTGTGCTAAGGACTTT
 CATGGAGAAATAGGATTTACATGTAATCAAAAAAGTGGCAAAATCAGCTGAAACATGTACAAGCCTTT
 CTGTGGAAAACTCTTTAAGGACTCAACTGGTGCATCTCGCCTTTCTGTAGCAGCACCATCTATACCTCT
 GCATATTCTAGACTTTGAGCTCCAGAGACCATTGAGAGTGTAGCTCAAGGAATCCGTAAGAAGTCCCC
 TTTGATTATGCCTGCATCACTGACATGGTGAATCATCAGAAACAACATCTGGAATATTGCATTTATAG
 TGGAGTTATTAATAAATATTTCTACAGACTTGCTGATAATGTTACTCGAGAGAAATGAAGAGCTATAG
 TGAAGTGGCAACACATCCTCGACACAGCAGCCATTTCAAAGTGGCTTTTCATTCCCAACAAAAATGCC
 AGCTCGGATTTGTTGCAGTCAGTGAATTTGTTTGCAGACAACCTCCACATCCACAATAATTCTGAGAAC
 TTGTGAATGAACCTCTTCACTCAGACAAAAGGGTTTACATCAACCATAATACCTCAGAGAAAAGCCTCAA
 TTTCTCCATGAGCATGAACAATACCACAGAAGATATCTTAGGAATGGTACAGATTTCCAGGCAAGAGCTA
 AGGAAGCTGTGGCCAAATGCATCCCAAGCCATTAGCATAGCTTTCCCAACCTTGGGGGCTATCCTGAGAG
 AAGCCACTTGCAAAATGTGAGTCTTCCAGACAGGTAATGGTCTGGTGTATCAGTGGTTTTACCAGA
 AAGTTTGAAGAAATCATACTCACCTTCGAAAAGATCAATAAAACCCGCAATGCCAGAGCCAGTGTGTT
 GGCTGGCACTCCAAGAAAAGGAGATGGGATGAGAAAGCGTGCCAAATGATGTTGGATATCAGGAACGAAG
 TGAAATGCCGCTGTAACACACAGTGTGGTGTGCTTTTTCCATTCTCATGTCCTCCAAATCGATGAC
 CGACAAAGTTCTGGACTACATCACCTGCATTGGGCTCAGCGTCTCAATCCTAAGCTTGGTTCTTTGCCTG
 ATCATTGAAGCCACAGTGTGGTCCCGGGTGGTGTGACGGAGATATCATACATGCGTCACGTGTGCATCG
 TGAATATAGCAGTGTCCCTTCTGACTGCCAATGTGTGGTTTATCATAGGCTCTCACTTTAACATTAAGGC
 CCAGGACTACAACATGTGTGTCAGTGACATTTTTCAGCCACTTTTCTACCTCTCTGTTTTTCTGG
 ATGCTCTTCAAAGCATTGCTCATCATTTATGGAATATTGGTCATTTTCCGTAGGATGATGAAGTCCCGAA
 TGATGGTCATTGGCTTTGCCATTGGCTATGGGTGCCATTGATCATTGCTGTCACTACAGTTGCTATCAC
 AGAGCCAGAGAACGGCTACATGAGACCTGAGGCCTGTTGGCTTAAGTGGGACAATACCAAGCCCTTTTA
 GCATTTGCCATCCCGGCTTCGTCATTGTGGCTGTAATCTGATTGTGGTTTTGGTTGTTGCTGTCAACA
 CTCAGAGGCCCTTATTGGCAGTTCCAAGTCTCAGGATGTGGTCATAATTATGAGGATCAGCAAAATGT
 TGCCATCCTCACTCCACTGCTGGGACTGACCTGGGGTTTTGGAATAGCCACTCTCATAGAAGGCATTCC
 TTGACGTTCCATATAATTTTGCCTTGCTCAATGCTTTCCAGGGTTTTTTCATCTGCTGTTTGGACCA
 TTATGGATCACAAGATAAGAGATGCTTTGAGGATGAGGATGTCTTCACTGAAGGGGAAATCGAGGGCAGC
 TGAGAATGCATCACTAGGCCCAACCAATGGATCTAAATTAATGAATCGTCAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214357 representing NM_153838
Red=Cloning site Green=Tags(s)

MKMKSQATMICCLVFFLSTECSHYRSKIHLKAGDKLQSPGPKPTGRIQEKCEGPCISSSNCSQPCAKDF
HGEIGFTCNQKKWQKSAETCTSLSVEKLFKDSTGASRLSVAAPSIPLHILDFRAPETIESVAQGIRKNCP
FDYACITDMVKSETTSGNIAFIVELLKNISTDLSDNVTREKMSYSEVANHILDTAAISNWFIPNKNA
SSDLLQSVNLFARQLHIHNNSEINIVNELFIQTGFHINHNTSEKSLNFSMSMNNTTEDILGMVQIPRQEL
RKLWPNASQAISIAFPTLGAILREHLQNVSLPRQVNGVLVSVLPERLQEIIILTFEKINKTRNARAQCV
GWHKKRRWDEKACQMMLDIRNEVKRCNYTSVMSFSILMSSKSMTDKVLDYITCIGLSVSILSLVLCCL
IIEATVWSRVVTEISYMRHVCIVNIAVSLTANVWFIIGSHFNKAQDYNMCVAVTFFSHFFYLSLFFW
MLFKALLIIYGILVIFRRMMKSRMMVIGFAIGYGCPLIIAVTTVAITEPENGMRPEACWLNWDNTKALL
AFAIPAFVIVAVNLIVLVVAVNTQRPISGSSQDVVIMRISKNVAILTPLLGLTWGFGIATLIEGTS
LTFHIIIFALLNAFQGGFILLFGTIMDHKIRDALMRMSSLKGKSRAAENASLGPTNGSKLMNRQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4907_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



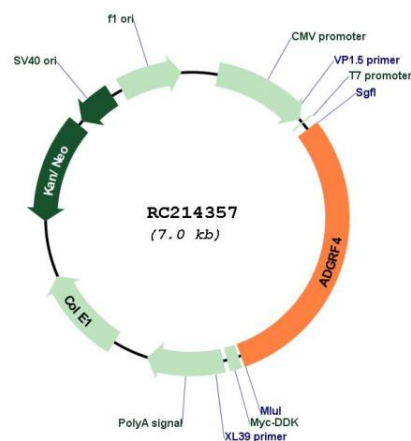
ACCN: NM_153838

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
MW:	77.5 kDa

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]

Product images:


Circular map for RC214357