

Product datasheet for **SC306668**

GPR115 (ADGRF4) (NM_153838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR115 (ADGRF4) (NM_153838) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR115
Synonyms:	GPR115; PGR18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_153838 edited
TATGAAAATGAAGTCCCAGGCAACCATGATTTGCTGCTTAGTGTCTTTCTGTCCACAGA
ATGTTCCCACTATAGATCCAAGATTCACCTAAAAGCTGGAGATAAACTTCAAAGCCCTGA
AGGAAACCCAAGACTGGAAGGATCCAAGAGAAATGCGAAGGACCTTGATTTCTTCTTC
CAACTGCAGCCAGCCCTGTGCTAAGGACTTTCATGGAGAAATAGGATTTACATGTAATCA
AAAAAAGTGGCAAAAATCAGCTGAAACATGTACAAGCCTTCTGTGAAAAAACTTTTAA
GGACTCAACTGGTGCATCTCGCCTTCTGTAGCAGCACCATCTATACCTCTGCATATTCT
AGACTTTCGAGCTCCAGAGACCATTGAGAGTGTAGCTCAAGGAATCCGTAAAGAACTGCC
CTTTGATTATGCCTGCATCACTGACATGGTGAATCATCAGAAACAACATCTGGAATAT
TGCATTTATAGTGGAGTTATTAATAAATATTTCTACAGACTTGTCTGATAATGTTACTCG
AGAGAAAATGAAGAGCTATAGTGAAGTGGCCAACCACATCCTCGACACAGCAGCCATTT
AAACTGGGCTTTCATTCCCAACAAAAATGCCAGCTCGGATTTGTTGCAGTCAGTGAATTT
GTTTGCCAGACAACCTCCACATCCACAATAATTCTGAGAACATTGTGAATGAACTTTCAT
TCAGACAAAAGGGTTTCACATCAACCATAATACCTCAGAGAAAAGCCTCAATTTCTCCAT
GAGCATGAACAATACCACAGAAGATATCTTAGGAATGGTACAGATCCCAGGCAAGAGCT
AAGGAAGCTGTGGCCAAATGCATCCAAGCCATTAGCATAGCTTTCCTCAACCTTGGGGGC
TATCCTGAGAGAAGCCCACTTGCAAAATGTGAGTCTCCAGACAGGTAATGGTCTGGT
GCTATCAGTGGTTTTACCAGAAAGGTTGCAAGAAATCATACTCACCTTCGAAAAGATCAA
TAAACCCGCAATGCCAGAGCCAGTGTGTTGGCTGGCACTCCAAGAAAAGGAGATGGGA
TGAGAAAGCGTGCCAAATGATGTTGGATATCAGGAACGAAGTAAATGCCGCTGTAAC
CACCAGTGTGGTATGCTTTTTCCATTCTCATGCTCCTCCAAATCGATGACCGACAAAAGT
TCTGGACTACATCACCTGCATTGGGCTCAGCGTCTCAATCCTAAGCTTGGTCTTTGGCT
GATCATTGAAGCCACAGTGTGGTCCCGGTGGTGTGACGGAGATATCATACATGCGTCA
CGTGTGCATCGTGAATATAGCAGTGTCCCTTCTGACTGCCAATGTGTGGTTTATCATAGG
CTCTCACTTTAACATTAAGGCCAGGACTACAACATGTGTGTTGCAAGTACATTTTTCAG
CCACTTTTTCTACCTCTCTGTTTTTCTGGATGCTCTTCAAAGCATTGCTCATCATTTA
TGGAAATTTGGTCATTTTCCGTAGGATGATGAAGTCCCGAATGATGGTCAATGGCTTTGC
CATTGGCTATGGGTGCCCATTTGATCATTGCTGCTACTACAGTTGCTATCACAGAGCCAGA
GAACGGCTACATGAGACCTGAGGCCTGTTGGCTTAACTGGGACAATACCAAAGCCCTTTT
AGCATTGGCCATCCCGCGTTCGTATTGGCTGTAATCTGATTGTGGTTTTGGTTGT
TGCTGTCAACACTCAGAGGCCCTCTATTGGCAGTCCAAGTCTCAGGATGTGGTCATAAT
TATGAGGATCAGCAAAAATGTTGCCATCCTCACTCCACTGCTGGGACTGACCTGGGGTTT
TGGAAATAGCCACTCTCATAGAAGGCACTTCCCTGACGTTCCATATAATTTTTGCCTTGCT
CAATGCTTTCCAGGGTTTTTTCATCCTGCTGTTTGAACCATATGGATCACAAGATAAG
AGATGCTTTGAGGATGAGGATGTCTTCACTGAAGGGGAAATCGAGGGCAGCTGAGAATGC
ATCACTAGGCCCAACCAATGGATCTAAATTAATGAATCGTCAAGGATGAAATGC

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_153838 unedited</p> <pre>NNNCCGTTTCGGATTTGTAAACNACTCATATAGGCGGCCGCCATTCGCCTTTAGAAAAGA AGTCCCAGGCAACCATGATTTGCTGCTTAGTGTCTTTCTGTCCACAGAATGTTCCCACT ATAGATCCAAGATTCACCTAAAAGCTGGAGATAAACTTCAAAGCCCTGAAGGAAACCCA AGACTGGAAGGATCCAAGAGAAAATGCGAAGGACCTTGATTTCTTCTTCCAAGTGCAGCC AGCCCTGTGCTAAGGACTTTCATGGAGAAAATAGGATTTACATGTAATCAAAAAAGTGCC AAAAATCAGCTGAAACATGTACAAGCCTTCTGTGGAAAACTTTAAGGACTCAACTG GTGCATCTCGCCTTTCTGTAGCAGCACCATCTATACCTCTGCATATTCTAGACTTTCGAG CTCCAGAGACCATTGAGAGTGTAGCTCAAGGAATCCGTAAGAAGTGCCTTTGATTATG CCTGCATCACTGACATGGTGAAATCATCAGAAACAACATCTGGAAATATTGCATTATAG TGGAGTTATTAATAAATATTTCTACAGACTTGTCTGATAATGTTACTCGAGAGACAATGA AGAGCTATAGTGAAGTGGCCAACCATCTCGACACAGCAGCCATTTCAAAGTGGGCTT TCATTCACCAAAAAATGCCAGCTCGGATTTGTTGCAGTCAGTGAATTTGTTGCCAGAC AACTCCCATCCACATAATTCTGAGACATTGTGAATGAAGTCTTTATTCCGACAAAAGGTT TTCACATCAACCCTAATACCTCAGAGAAAAGCCTCAATTTCTCCATGAGCATGAACAATA CCCCGAAAAATCTTAAGAAATGGGACAGAATCCCAGGCAAGAAGTAAAGAAGCTGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_153838 unedited</p> <pre>CCTCATTGGGNNGATGGCAACTCCCAGGNCCAGNATAGCACTGGGGCAGGGTCACAGGN ATGCCCCCGGGATCTGTTGAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGACAA GCTTGATATCGGTACCAGATCTGAATTCGCCCTTGCATTTTCATCCTTGACGATTCATTAA TTTAGATCCATTGGTTGGGCTAGTGATGCATTCTCAGCTGCCCTCGATTTCCCCTTCAG TGAAGACATCCTCATCCTCAAAGCATCTCTTATCTTGTGATCCATAATGGTTCCAAACAG CAGGATGAAAAACCCCTGGAAAGCATTGAGCAAGGCAAAAATTATATGGAACGTCAGGA AGTGCCTTCTATGAGAGTGGCTATTCCAAAACCCAGGTCAGTCCCAGCAGTGGAGTGAG GATGGCAACATTTTTGCTGATCCTCATAATTATGACCACATCCTGAGACTTGGAACTGCC AATAGAGGGCCTCTGAGTGTGACAGCAACAACCAAAACCAATCAGATTTACAGCCAC AATGACGAACGCCGGGATGGCAATGCTAAAAGGGCTTTGGTATTGTCCCAGTTAAGCCA ACAGGCCTCAGGTCTCATGTAGCCGTTCTCTGGCTCTGTGATAGCAACTGTAGTGACAGC AATGATCAATGGGCACCCATAGCCAATGGCAAGCCAATGACCATCATTGGGACTTCAT CATCCTACGGAAAAATGACCAATATTCATAAATGATGAGCAATGCTTTGAAAGAGCTCCA GAAAAAACGGAGAGAGGTAGAAAAAGTGGCTGAAAAATGTCCCTGCAACACATGTGGT AATCCCTGGGCCTTATGTTAAAGTGAAGCCTATGATAAACCCACCTTGGCCGTCAAAA AGAACACTGCTATT</pre>
Restriction Sites:	Please inquire
ACCN:	NM_153838
Insert Size:	2300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.