

## Product datasheet for **SC100887**

### **GPR114 (ADGRG5) (NM\_153837) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR114 (ADGRG5) (NM_153837) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR114
Synonyms:	GPR114; PGR27
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC100887 sequence for NM\_153837 edited (data generated by NextGen Sequencing)

```

ATGGATCACTGTGGTGCCCTTTTCTGTGCCTGTGCCTTCTGACTTTGCAGAATGCAACA
ACAGAGACATGGGAAGAACTCCTGAGCTACATGGAGAATATGCAGGTGTCCAGGGGCCGG
AGCTCAGTTTTTCTCTCGTCAACTCCACCAGCTGGAGCAGATGCTACTGAACACCAGC
TTCCCAGGCTACAACCTGACCTTGACAGACCCACCATCCAGTCTCTGGCCTTCAAGCTG
AGCTGTGACTTCTCTGGCTCTCGCTGACCAGTGCCACTCTGAAGCGGGTGCCCCAGGCA
GGAGGTCAGCATGCCCGGGTACGACAGCCATGCAGTTCGCCCGGAGCTGACCCGGGAC
GCCTGCAAGACCCGCCAGGGAGCTGCGGCTCATCTGTATCTACTTCTCCAACCCAC
TTTTTCAAGGATGAAAACAACCTCATCTCTGCTGAATAACTACGTCTGGGGGCCAGCTG
AGTCATGGGCACGTGAACAACCTCAGGGATCCTGTGAACATCAGCTTCTGGCACAACAA
AGCCTGGAAGGCTACACCCTGACCTGTGTCTTCTGGAAGGAGGGAGCCAGGAAACAGCC
TGGGGGGCTGGAGCCCTGAGGGCTGTCTGACAGAGCAGCCCTCCACTCTCAGGTGCTC
TGCCGCTGCAACCACCTCACCTACTTTGCTGTTCTCATGCAACTCTCCCAGCCCTGGTC
CCTGCAGAGTTGCTGGCACCTTACGTACATCTCCCTCGTGGGCTGCAGCATCTCCATC
GTGGCCTCGTGATCACAGTCTGCTGCACTTCCATTTACGGAAGCAGAGTGACTCCTTA
ACACGCATCCACATGAACCTGCATGCCTCCGTGCTGCTCCTGAACATCGCCTTCTGCTG
AGCCCCGATTGCAATGTCTCCTGTGCCCGGGTACAGATGCACGGCTCTGGCCGCTGCC
CTGCACTACGCGCTGCTCAGCTGCCTCACCTGGATGGCCATCGAGGGCTTCAACCTCTAC
CTCCTCCTCGGGCGTGTCTACAACATCTACATCCGAGATATGTGTTCAAGCTTGGTGTG
CTAGGCTGGGGGGCCCCAGCCCTCCTGGTGCTGCTTCCCTCTCTGTCAAGAGCTCGGTA
TACGGACCCTGCACAATCCCGTCTTTCGACAGCTGGGAGAATGGCACAGGCTTCCAGAAC
ATGTCCATATGCTGGGTGCGGAGCCCGTGGTGCACAGTGTCTGGTTCATGGGCTACGGC
GGCTCACGTCCCTCTTCAACCTGGTGGTGTGCGCTGGGCGCTGTGGACCCTGCCGAGG
CTGCGGGAGCGGGCGGATGCACCAAGTGTGAGGCCTGCCATGACACTGTCACTGTGCTG
GGCCTCACCGTGTGCTGGGAACCACTGGGCCTTGGCCTTCTTTTCTTTTGGCGTCTTC
CTGCTGCCCCAGCTGTTCTTACCACCTTAAACTCGCTCTACGGTTTCTTCTTTTCT
CTGTGGTTCTGCTCCCAGCGGTGCCGCTCAGAAGCAGAGGCCAAGGCACAGATAGAGGCC
TTCAGCTCTCCAAACAACACAGTAG
    
```

Clone variation with respect to NM\_153837.1

**5' Read Nucleotide Sequence:**

```

>OriGene 5' read for NM_153837 unedited
TGCGGCATTTGTNAAACGACTCACTATAGGCGGCCGNAATTCGCTTCTGCACAGGCA
TGGATCACTGTGGTGCCCTTTTCTGTGCCTGTGCCTTCTGACTTTGCAGNAATGCAACA
ACAGAGACATGGGAAGAACTCCTGAGCTACATGGGAGAATATGCAGGTGTCCAGGGGCCG
GAGCTCAGTTTTTCTCTCGTCAACTCCACCAGCTGGAGCAGATGCTACTGAACACCAG
CTTCCCAGGCTACAACCTGACCTTGACAGACCCACCATCCAGTCTCTGGCCTTCAAGCT
GAGCTGTGACTTCTCTGGCTCTCGCTGACCAGTGCCACTCTGAAGCGGGTGCCCCAGGC
AGGAGGTGAGCATGCCCGGGTACGACAGCCATGCAGTTCGCCCGGAGCTGACCCGGGA
CGCCTGCAAGACCCGCCAGGGAGCTGCGGCTCATCTGTATCTACTTCTCCAACACCCA
CTTTTTCAAGGATGAAAACAACCTCATCTCTGCTGAATAACTACGTCTGGGGGCCAGCT
GAGTCATGGGCACGTGAACAACCTCAGGGATCCTGTGAACATCAGCTTCTGGCACAACCA
AAGCCTGGAAGGCTACACCCTGACCTGTGTCTTCTGGAAGGAGGGAGCCAGGAAACAGCC
CTGGGGGGGCTGGAGCCCTGAGGGCTGTCTGACAGAGCAGCCCTCCACTCTCAGGTGCT
CTGCCGCTGCAACCACCTCACCTACTTTGCTGGTCTCATGCAACTCTCCCACCCTGGTC
CCTGCAGAGTTGCTGGCACCTTACGTACATCTCCCTCGTGGGCTGCAGCATCTACATC
GTGGCCTCGTGATCACAGTCTGCTGCACTTCCATTTACGGAAGCAGAGTGACTTCTTA
ACACGCATCCACATGAAACCTGCATGCCTGCGTGTGATCCTGAAATCGACTTACTGGTG
AGCCCG
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_153837 unedited ATAAGGCTCTTGGCGATGGTCAACTTCCCATGNCCAGGAAAGCACTGGGGAAGGGTCACA GGGCTGCCACCCGGGTATCTGTTTCAGGAAAACAGCTATGACCCGCGCCGCAATCTATAGT CGACAAGCTTGATATCGGTACCAGATCTGAATTCGGCTTGGACTACTGTGTTGTTTGGGA GGAGCTGAAGGCCTCTATCTGTGCCTTGGCCTCTGCTTCTGAGCGGCACCCGCTGGGAGCA GAACCACAGGAAAAGGAAGAAACCGTAGAGCGAGTTTAAGATGGTGAAGAGGAACAGCTG GGGCAGCAGGAAAGACGCCAAAAGAAAAGAAAGGCCAAGGCCCATGTGGTTCCACAGCAC GGTGAGGCCAGCACAGTGACAGTGTCTATGGCAGGCCCTGACACTTGGTGCATCCGCCCG CTCCCGCAGCCTGCGCAGGGTCCACAGCGCCAGGCCAGCACCAGGTTGAAGAGGGA CGTGAGGCCGCCGTAGCCCATGACCAGGACACTGTGCACCACGGGGCTCCGCACCCAGCA TATGGACATGTTCTGGAAGCCTGTGCCATTCTCCAGCTGTGGAAGACGGGGATTGTGCA GGGTCCGTATACCGAGCTCTTGACAGAGAGGAAAGCAGCACCAGGAGGGCTGGGGCCCC CCAGCCTAGCACACCAAGCTTGAACACATATCTGCGGATGTAGATGTTGTAGACACGCC GAAGAGGAGGTAGAGGTTGAAGCCCTCGATGGCCATCCAGGTGAGGCAGCTGATCAGCGC GTAGTGCAGGGCAGCGGCCAGAGCCGTGCATGCTGACCCGGGCACAGGATACATTGCGAA TGCGGAGCTCANNCAGAATGCGATGTTCAAGAGCAGCACGGNAGCATGCATGTTTCATGTG GGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_153837
<b>Insert Size:</b>	1550 bp
<b>OTI Disclaimer:</b>	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).
<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_153837.1</a> , <a href="#">NP_722579.1</a>
<b>RefSeq Size:</b>	3848 bp
<b>RefSeq ORF:</b>	1587 bp
<b>Locus ID:</b>	221188
<b>UniProt ID:</b>	<a href="#">Q8IZF4</a>
<b>Cytogenetics:</b>	16q21
<b>Domains:</b>	GPS, 7tm_2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

This gene encodes a member of the adhesion family of G-protein coupled receptors. Members of this family are characterized by long N-termini and multiple functional domains. They may play a role in the immune system as well as in the central nervous system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]  
Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (1).