OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC116808

GPR35 (NM_005301) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR35 (NM_005301) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR35
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

```
>OriGene ORF sequence for NM_005301 edited
TTTGGCAGCGGKGGTCACACACTCCACCCGGGAGGCCAAAGCTGCCTGCAGGACCATGAA
TGGCACCTACAACACCTGTGGCTCCAGCGACCTCACCTGGCCCCCAGCGATCAAGCTGGG
CTTCTACGCCTACTTGGGCGTCCTGCTGGTGCTAGGCCTGCTGCTCAACAGCCTGGCGCT
CTGGGTGTTCTGCTGCCGCATGCAGCAGTGGACGGAGACCCGCATCTACATGACCAACCT
GGCGGTGGCCGACCTCTGCCTGCTGTGCACCTTGCCCTTCGTGCTGCACTCCCTGCGAGA
CACCTCAGACACGCCGCTGTGCCAGCTCTCCCAGGGCATCTACCTGACCAACAGGTACAT
GAGCATCAGCCTGGTCACGGCCATCGCCGTGGACCGCTATGTGGCCGTGCGGCACCCGCT
GCGTGCCCGCGGGCTGCGGTCCCCCAGGCAGGCTGCGGCCGTGTGCGCGGTCCTCTGGGT
GCTGGTCATCGGCTCCCTGGTGGCTCGCTGGCTCCTGGGGATTCAGGAGGGCGGCTTCTG
CTTCAGGAGCACCCGGCACAATTTCAACTCCATGGCGTTCCCGCTGCTGGGATTCTACCT
GCCCCTGGCCGTGGTGGTCTTCTGCTCCCTGAAGGTGGTGACTGCCCTGGCCCAGAGGCC
ACCCACCGACGTGGGGCAGGCAGAGGCCACCCGCAAGGCTGCCCGCATGGTCTGGGCCAA
CCTCCTGGTGTTCGTGGTCTGCTTCCTGCCCCTGCACGTGGGGCTGACAGTGCGCCTCGC
AGTGGGCTGGAACGCCTGTGCCCTCCTGGAGACGATCCGTCGCGCCCTGTACATAACCAG
CAAGCTCTCAGATGCCAACTGCTGCCTGGACGCCATCTGCTACTACTACATGGCCAAGGA
GTTCCAGGAGGCGTCTGCACTGGCCGTGGCTCCCAGTGCTAAGGCCCACAAAAGCCAGGA
CTCTCTGTGCGTGACCCTCGCCTAAGAGGCGTGCTGTGGGCGCTGTGGGCCAGGTCTCGG
GGGCTCCGGGAGGTGCTGCCTGCCAGGGGAAGCTGGAACCAGTAGCAAGGAGCCCGRGAT
CAGCCCTGAACTCACTGTGTATTCTCTTGGAGCCTTGGGTGGGCAGGGACGGCCCAGGTA
CCTGCTCTCTTGGGAAGAGAGAGGGACAGGGACAAGGGCAAGAGGACTGAGGCCAGAGCA
AGGCCAATGTCAGAGACCCCCGGGATGGGGCCTCACACTTGCCACCCCCAGAACCAGCTC
ACCTGGCCAGAGTGGGTTCCTGCTGGCCAGGGTGCAGCCTTGATGACACCTGCCGCTGCC
CCTCGGGGCTGGAATAAAACTCCCCACCCAGAGTCAAAAAAAAAAAAAAAAAAAAAAAAA
AAAC
```


View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005301 unedited
NATTTTGTNATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGCTTTGGCAGCGG
GGGTCACACACTCCACCCGGGAGGCCAAAGCTGCCTGCAGGACCATGAATGGCACCTACA
ACACCTGTGGCTCCAGCGACCTCACCTGGCCCCCAGCGATCAAGCTGGGCTTCTACGCCT
ACTTGGGCGTCCTGCTGGTGCTAGGCCTGCTGCTCAACAGCCTGGCGCTCTGGGTGTTCT
GCTGCCGCATGCAGCAGTGGACGGAGACCCGCATCTACATGACCAACCTGGCGGTGGCCG
ACCTCTGCCTGCTGTGCACCTTGCCCTTCGTGCTGCACTCCCTGCGAGACACCTCAGACA
CGCCGCTGTGCCAGCTCTCCCAGGGCATCTACCTGACCAACAGGTACATGAGCATCAGCC
TGGTCACGGCCATCGCCGTGGACCGCTATGTGGCCGTGCGGCACCCGCTGCGTGCCCGCG
GGCTGCGGTCCCCCAGGCAGGCTGCGGCCGTGTGCGCGGTCCTCTGGGTGCTGGTCATCG
GCTCCCTGGTGGCTCGCTGGCTCCTGGGGATTCAGGAGGGCGGCTTCTGCTTCAGGAGCA
CCCGGCACAATTTCAACTCCATGGCGTTCCCGCTGCTGGGATTCTACCTGCCCCTGGCCG
TGGTGGTCTTCTGCTCCCTGAAGGTGGTGACTGCCCTGGCCCAGAGGCCACCCACCGACG
TGGGGCAGGCAGAGGCCACCCGCAAGGCTGCCCGCATGGTCTGGGCCAACCTCCTGGNTG
TTCGTGGTCTGCTTCCTGCCCCTGCACGTGGNGCTGACAGTGCGCCTCGCAGTGGGCTGG
AACGCCCTGTGCCTCCTGGAGACGATCCGTCGCGCCTGTACATACCAGCAGCTCTCAGAT
GCACTGCTGCTGNACGCATCTGCTCTACTACTGGNNCAGAGTNCAGNNAGCGCTGACTGG
CCGTGCTCCAGTGCTAAGCCACAN

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_005301 unedited
NTTCGTGGGNCCGCGGCCGTTTTCTATTATCGAGTTTTTTTTTTTTTTTTTTTTTTCT
TTGACTCTGGGTGGGGAGACCCAATCCAGCCCCGAGGGGCAGCGGCACCNCCNCCNCCGG
CATTTTTTTTTGTTTNNTGAANTACTCTGGCCAGGCGAACTGGTTCCGGGGGTGCCTCTT
GTGCCGTCCCCTCCCCCCGGCCCTTCAATTGGCCTTTTTCNTCCCCTCCCCCTTCCTCCC
TGCTCCTGCCCCTCCTCTCTTCCCAAGAGAGCAGGTACCTGGGCCGTCCCTGCCCACCCA
AGGGTCCAAGAGAATACACAGCGAGTTCAGGGCTGATCTCGGGCTTCTTGCTACTGGTTC
CAGCTTCCCCTGGCAGGCAGGACCTCCCGGAGCCCCTGAGACCTGGCCCACAGCGCCCAC
AGTACGCCTCTTATGCGAGGGGCACGCACAGAGAGTCCTGGCTTTTGTGGGCCTTATCAC
TGGGAGCCACGGGCAGTGGAGAAGCCTTCTGGAACTCCTTGGCCATGTTCTTATACCAGA
TGGCGGCCAGGCACCATTCGGCCTCCGAGAAGCTGCCGGTTATGTTCAGGGCGCGACTGA
CTGTCTCCACGACGGCACAGGTGGTTCAGCCCATTGGCAGGGGTACTGTCCGCCACACGT
GCATGGGCAGTGAGAAATCCCGACATCAAGAGGGGTGGCCAACACAAGCGGGCAGTCTTG
CGGGGGTCTCTGTCCGCCCCAGTGTGGGGTGGGCTTTGGGCAAGGAGTCCCCACCTTTAG
GGACAACAGCCACCCCGGCAGGGCAGGTAAAACTCACCGGGGAACGCCTGGAATGTAATT
GGCCGGGTGCTTCTGAGCAAAAACGCCTTTCTGTATCCCAGAACCACGAAGCCCCCAGGA
ACCGTGACCATCACCTACGGG

Restriction Sites: NotI-NotI

ACCN: NM_005301

Insert Size: 1400 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).

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_005301.2, NP_005292.2
RefSeq Size:	1875 bp
RefSeq ORF:	930 bp
Locus ID:	2859
UniProt ID:	Q9HC97
Cytogenetics:	2q37.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Acts as a receptor for kynurenic acid, an intermediate in the tryptophan metabolic pathway. The activity of this receptor is mediated by G-proteins that elicit calcium mobilization and inositol phosphate production through G(qi/o) proteins.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shortest transcript and encodes the shorter isoform (a, also known as GPR35a).