

## Product datasheet for **RC232526**

### GPR35 (NM\_001195382) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR35 (NM_001195382) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232526 representing NM_001195382 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAGTGGTTCCCGGGCTGTCCCACTCCACACCGTGGCAGTGAAGAGCTGCTGAAGTACATGCTTC  
ATAGTCCTTGGCTCTCTCTGACCATGAATGGCACCTACAACACCTGTGGCTCCAGCGACCTACCTGGCC  
CCCAGCGATCAAGCTGGGCTTCTACGCCTACTTGGGCGTCTGCTGGTGTAGGCTGCTGCTCAACAGC  
CTGGCGCTCTGGGTGTTCTGCTGCCGATGCAGCAGTGGACGGAGACCCGCATCTACATGACCAACCTGG  
CGGTGGCCGACCTCTGCCTGCTGTGCACCTTGCCTTCTGCTGCACTCCCTGCGAGACACCTCAGACAC  
GCCGCTGTGCCAGCTCTCCAGGGCATCTACCTGACCAACAGGTACATGAGCATCAGCCTGGTCACGGCC  
ATCGCCGTGGACCGCTATGTGGCGTGGCGCACCCGCTGCGTGCCCGCGGGCTGCGGTCCCCAGGCAGG  
CTGCGGCCGTGTGCGCGTCTCTGGGTGCTGGTCATCGGCTCCCTGGTGGCTCGCTGGCTCCTGGGGAT  
TCAGGAGGGCGGCTTCTGCTTCAGGAGCACCCGGCACAATTTCAACTCCATGGCGTTCCCGCTGCTGGGA  
TTCTACCTGCCCTGGCCGTGGTGTCTTCTGCTCCCTGAAGGTGGTGACTGCCCTGGCCAGAGGCCAC  
CCACCGACGTGGGCGAGGAGGCCACCCGCAAGGCTGCCCGCATGGTCTGGGCCAACCTCCTGGTGT  
CGTGGTCTGCTTCTGCCCTGCAGTGGGGCTGACAGTGGCCTCGCAGTGGGCTGGAACGCTGTGCC  
CTCCTGGAGACGATCCGTCGCGCCTGTACATAACCAGCAAGCTCTCAGATGCCAACTGCTGCCTGGACG  
CCATCTGCTACTACTACATGGCCAAGGAGTTCCAGGAGGCGTCTGCACTGGCCGTGGCTCCCACTGCTAA  
GGCCACAAAAGCCAGGACTCTCTGTGCGTGACCTCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232526 representing NM\_001195382  
 Red=Cloning site Green=Tags(s)

MLSGSRAVPTPHRGSEELLKYMLHSPCVSLTMNGTYNTCGSSDLTWPPAIKLGFYAYLVGLLLNS  
 LALWVFCCRMQQWTETRIYMTNLAVADLCCLLPFVLHSLRDTSDTPLCQLSQGIYLTNRYMSISLVTA  
 IAVDRYVAVRHPLRAGLRSPRQAAAVCAVLWVLVIGSLVARWLLGIQEGGFCFRSTRHNFNSMAFPLLG  
 FYLPLAVVVFCSLKVVTAQAQRPTDVGQAEATRKAAARMVWANLLVFVVCFLPLHVGLTVRLAVGWNACA  
 LLETIRRALYITSKLSDANCCDAICYYYMAKEFQEASALAVAPSAKAHKSQDSL CVTLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4622\\_h09.zip](https://cdn.origene.com/chromatograms/mg4622_h09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001195382

**ORF Size:** 1020 bp

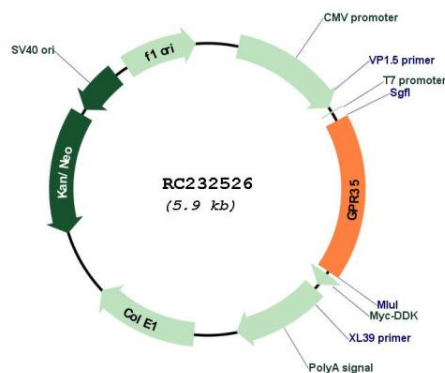
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<b>Reconstitution Method:</b>	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.
<b>RefSeq:</b>	<u>NM_001195382.2</u>
<b>RefSeq Size:</b>	2179 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	2859
<b>UniProt ID:</b>	<u>Q9HC97</u>
<b>Cytogenetics:</b>	2q37.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	37.5 kDa
<b>Gene Summary:</b>	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]

## Product images:



Circular map for RC232526