

Product datasheet for **SC329454**

GPR35 (NM_001195382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR35 (NM_001195382) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC329454 representing NM_001195382. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGAGTGGTCCCGGGCTGTCCCACTCCACACCGTGGCAGTGAAGAGCTGCTGAAGTACATGCTT
CATAGTCTTGGCTCTCTGACCATGAATGGCACCTACAACACCTGTGGCTCCAGCGACCTCACCTGG
CCCCAGCGATCAAGCTGGGCTTCTACGCCTACTTGGGCGTCTGCTGGTGTAGGCCTGCTGCTCAAC
AGCCTGGCGCTCTGGGTGTTCTGCTGCCGATGCAGCAGTGGACGGAGACCCGCATCTACATGACCAAC
CTGGCGGTGGCCGACCTGCTGCTGTGCACCTTGCCCTCGTGCTGCACTCCCTGCGAGACACCTCA
GACACCCGCTGTGCCAGCTCTCCAGGGCATCTACCTGACCAACAGGTACATGAGCATCAGCCTGGTC
ACGGCCATCGCCGTGGACCGCTATGTGGCGTGGCGCACCCGCTGCGTGCCCGCGGGCTGCGGTCCCC
AGGCAGGCTGCGGCCGTGTGCGCGTCTCTGGGTGCTGGTCATCGGCTCCCTGGTGGCTCGCTGGCTC
CTGGGATTAGGAGGGCGGCTTCTGCTTCAAGGACACCCGGCACAATTTCAACTCCATGGCGTTCCCG
CTGCTGGGATTCTACCTGCCCTGGCCGTGGTGGTCTTCTGCTCCCTGAAGGTGGTACTGCCCTGGCC
CAGAGGCCACCCACCGACGTGGGCGAGGACAGGCCACCCGCAAGGCTGCCCGCATGGTCTGGGCAAC
CTCCTGGTGTTCGTGGTCTGCTTCTGCCCTGCACGTGGGCTGACAGTGGCCTCGCAGTGGGCTGG
AACGCTGTGCCCTCCTGGAGACGATCCGTCGCGCCCTGTACATAACCAGCAAGCTCTCAGATGCCAAC
TGCTGCCTGGACCCATCTGCTACTACTACATGGCCAAGGAGTTCAGGAGGCGTCTGCACTGGCCGTG
GCTCCAGTGCTAAGGCCACAAAAGCCAGGACTCTGTGCGTGACCCTCGCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001195382
Insert Size:	1023 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001195382.1</u>
RefSeq Size:	2179 bp
RefSeq ORF:	1023 bp
Locus ID:	2859
UniProt ID:	<u>Q9HC97</u>
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	37.5 kDa
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 (3) differs in the 5' UTR and 5' coding region, and uses an alternate start codon, compared to variant 1. The resulting isoform (b, also known as GPR35b) is longer at the N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform (b).