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Product datasheet for SC316992

GPR83 (NM_016540) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR83 (NM_016540) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR83
Synonyms:	GIR; GPR72
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_016540 edited
AAGTATTCTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGG
CTTATGGTCCCTCACCTCTTGCTGCTCTGTCTCCTCCCCTTGGTGCGAGCCACCGAGCCC
CACGAGGGCCGGGCCGACGAGCAGAGCGCGGAGGCGGCCCTGGCCGTGCCCAATGCCTCG
CACTTCTTCTCTTGGAACAACTACACCTTCTCCGACTGGCAGAACTTTGTGGGCAGGAGG
CGCTACGGCGCTGAGTCCCAGAACCCCACGGTGAAAGCCCTGCTCATTGTGGCTTACTCC
TTCATCATTGTCTTCTCACTCTTTGGCAACGTCCTGGTCTGTCATGTCATCTTCAAGAAC
CAGCGAATGCACTCGGCCACCAGCCTCTTCATCGTCAACCTGGCAGTTGCCGACATAATG
ATCACGCTGCTCAACACCCCCTTCACTTTGGTTCGCTTTGTGAACAGCACATGGATATTT
GGGAAGGGCATGTGCCATGTCAGCCGCTTTGCCCAGTACTGCTCACTGCACGTCTCAGCA
CTGACACTGACAGCCATTGCGGTGGATCGCCACCAGGTCATCATGCACCCCTTGAAACCC
CGGATCTCAATCACAAAGGGTGTCATCTACATCGCTGTCATCTGGACCATGGCTACGTTC
TTTTCACTCCCACATGCTATCTGCCAGAAATTATTTACCTTCAAATACAGTGAGGACATT
GTGCGCTCCCTCTGCCTGCCAGACTTCCCTGAGCCAGCTGACCTCTTCTGGAAGTACCTG
GACTTGGCCACCTTCATCCTGCTCTACATCCTGCCCCTCCTCATCATCTCTGTGGCCTAC
GCTCGTGTGGCCAAGAAACTGTGGCTGTGTAATATGATTGGCGATGTGACCACAGAGCAG
TACTTTGCCCTGCGGCGCAAAAAGAAGAAGACCATCAAGATGTTGATGCTGGTGGTAGTC
CTCTTTGCCCTCTGCTGGTTCCCCCTCAACTGCTACGTCCTCCTCCTGTCCAGCAAGGTC
ATCCGCACCAACAATGCCCTCTACTTTGCCTTCCACTGGTTTGCCATGAGCAGCACCTGC
TATAACCCCTTCATATACTGCTGGCTGAACGAGAACTTCAGGATTGAGCTAAAGGCATTA
CTGAGCATGTGTCAAAGACCTCCCAAGCCTCAGGAGGACAGGCAACCCTCCCCAGTTCCT
TCCTTCAGGGTGGCCTGGACAGAGAAGAATGATGGCCAGAGGGCTCCCCTTGCCAATAAC
CTCCTGCCCACCTCCCAACTCCAGTCTGGGAAGACAGACCTGTCATCTGTGGAACCCATT
GTGACGATGAGTTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016540 unedited
TAGTGTTTTGTATACGACTCCTATAGGGCGGCCGCGAATTCAGATCTGGTACCGAGCTCG
GATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTATGGTCCCTCACCTCTTGC
TGCTCTGTCTCCTCCCCTTGGTGCGAGCCACCGAGCCCCACGAGGGCCGGGCCGACGAGC
AGAGCGCGGAGGCGGCCCTGGCCGTGCCCAATGCCTCGCACTTCTTCTCTTGGAACAACT
ACACCTTCTCCGACTGGCAGAACTTTGTGGGCAGGAGGCGCTACGGCGCTGAGTCCCAGA
ACCCCACGGTGAAAGCCCTGCTCATTGTGGCTTACTCCTTCATCATTGTCTTCTCACTCT
TTGGCAACGTCCTGGTCTGTCATGTCATCTTCAAGAACCAGCGAATGCACTCGGCCACCA
GCCTCTTCATCGTCAACCTGGCAGTTGCCGACATAATGATCACGCTGCTCAACACCCCCT
TCACTTTGGTTCGCTTTGTGAACAGCACATGGATATTTGGGAAGGGCATGTGCCATGTCA
GCCGCTTTGCCCAGTACTGCTCACTGCACGTCTCAGCACTGACACTGACAGCCATTGCGG
TGGATCGCCACCAGGTCATCATGCACCCCTTGAAACCCCGGATCTCAATCACAAAGGGTG
TCATCTACATCGCTGTCATCTGGACCATGGCTACGTTCTTTTCACTCCCACATGCTATCT
GCCAGAAATTATTTACCTTCAAATACAGTGAGGACATTGTGCGCTCCCTCTGCCTGCCAG
ACTTCCCTGAGCCAGCTGACCTCTCTGGAAGTACCTGGACTTGGCCACCTTCATCCTGCT
CTACATCCTGCCCTCTCATCATCTCTGTGGCCTACGCTCGTGTGCCAGAAACTGTGGCTG
TGTATATGATGGCGATGTGACCAAGAGCAGTACTTTGCCCTGGCGGCGCCAAAAAGAAGA
GACATCAGGATGTGATGCTGGTGGTAGTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016540 unedited
TGAGATGCACTTCAGGGCCGGAAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATC
TGTTCAGGAAACAGCTATGACCGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGGCT
TTCTTCTAACTCATCGTCACAATGGGTTCCACAGATGACAGGTCTGTCTTCCCAGACTGG
AGTTGGGAGGTGGGCAGGAGGTTATTGGCAAGGGGAGCCCTCTGGCCATCATTCTTCTCT
GTCCAGGCCACCCTGAAGGAAGGAACTGGGGAGGGTTGCCTGTCCTCCTGAGGCTTGGGA
GGTCTTTGACACATGCTCAGTAATGCCTTTAGCTCAATCCTGAAGTTCTCGTTCAGCCAG
CAGTATATGAAGGGGTTATAGCAGGTGCTGCTCATGGCAAACCAGTGGAAGGCAAAGTAG
AGGGCATTGTTGGTGCGGATGACCTTGCTGGACAGGAGGAGGACGTAGCAGTTGAGGGGG
AACCAGCAGAGGGCAAAGAGGACTACCACCAGCATCAACATCTTGATGGTCTTCTTCTTT
TTGCGCCGCAGGGCAAAGTACTGCTCTGTGGTCACATCGCCAATCATATTACACAGCCAC
AGTTTCTTGGCCACACGAGCGTAGGCCACAGAGATGATGAGGAGGGGCAGGATGTAGAGC
AGGATGAAGGTGGCCAAGTCCAGGTACTTCCAGAAGAGGTCAGCTGGCTCAGGGAAGTCT
GGCAGCAGAGGGAGCGCACAATGTCCTCACTGTATTTGAAGGTAAATAATTTCTGGCAGA
TAGCATGTGGGAGTGAAAAGAACGTAGCCATGGTCCAGATGACAGCGATGTAGATGACAC
CCTTTGTGATTGAGATCCGGGGTTTCAAGGGTGCATGATGACCTGGTGGCGATCCACCGC
AATGGCTGTCAGTGTCATTGCTGAAAACCGTGCAGT

Restriction Sites: Please inquire

ACCN: NM_016540

Insert Size: 1300 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.NA

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).

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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_016540.2, NP_057624.2
RefSeq Size:	4109 bp
RefSeq ORF:	1272 bp
Locus ID:	10888
UniProt ID:	Q9NYM4
Cytogenetics:	11q21
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Orphan receptor. Could be a neuropeptide Y receptor.[UniProtKB/Swiss-Prot Function]

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