

Product datasheet for SC116845

GPR12 (NM_005288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR12 (NM_005288) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR12
Synonyms:	GPCR12; GPCR21; PPP1R84
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116845 sequence for NM_005288 edited (data generated by NextGen Sequencing)

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ATGAATGAAGACCTGAAGGTCAATTTAAGCGGGCTGCCTCGGATTATTTAGATGCCGCT
GCTGCGGAGAACATCTCGGCTGCTNTCTCTCCCGGGTTCTGCGGTAGAGCCAGAGCCT
GAGCTCGTAGTCAACCCCTGGGACATTGCTTGTGTACCTCGGGAACCCTCATCTCCTGT
GAAAATGCCATTGTGGTCTTATCATCTTCCACAACCCAGCCTGCGAGCACCCATGTTCT
CTGCTAATAGGCAGCCTGGCTCTTGCAGACCTGCTGGCCGGCATTGGACTCATACCAAT
TTTGTGTTTTGCCTACCTGCTTCAGTCAGAAGCCACCAAGCTGGTCACGATCGGCCTCATT
GTCGCCTCTTTCTGCTCTGTCTGCAGCTTGTGGCTATCACTGTTGACCGCTACCTC
TCACTGTACTACGCTCTGACGTACCATTGAGAGGACGGTCACGTTTACCTATGTCATG
CTCGTCATGCTCTGGGGACCTCCATCTGCCTGGGGCTGCTGCCCGTCATGGGCTGGAAC
TGCTCCGAGACGAGTCCACCTGCAGCGTGGTACAGCCGCTCACCAAGAACAACGCGGCC
ATCCTCTCGGTGTCCTTCTCTTTCATGTTTGCCTCATGTTTCACTCTACATCCAGATC
TGTAAGATTGTGATGAGGCACGCCCATCAGATAGCCCTGCAGCACCACCTTCTGGCCACG
TCGCACTATGTGACCACCCGAAAGGGGTCTCCACCCTGGCTATCATCCTGGGACGTTT
GCTGCTTGCTGGATGCCTTTACCCTCTATTCTTGATAGCGGATTACACCTACCCCTCC
ATCTATACCTACGCCACCCTCTGCCGCCACCTACAATTCCATCATCAACCCTGTCATA
TATGCTTTTCAGAAACCAAGAGATCCAGAAAGCGCTCTGTCTCATTGCTGCGGCTGCATC
CCGTCCAGTCTCGCCCAGAGAGCGGCTCGCCCAGTGATGTGTAG

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Clone variation with respect to NM_005288.3
85 g=>n



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005288 unedited GCTTTTGTATACGACTCACTTATAGGGCGGCCGATTCCGGCACGAGGGCCGCCCCCCC TTGCCACAGCGGGCAACTGCGCCGACATGCGACACGAGTAGCCACGCGCTTCGGAAGCA CCGGAGGAGCCCCCTCGGCTGGGCGAGCCAAGAGGACAGGGGTTAAATGAATGAAGAC CTGAAGGTCAATTTAAGCGGGCTGCCTCGGGATTATTTAGATGCCGCTGCTGCGGAGAAC ATCTCGGCTGCTGTCTCCTCCCGGGTTCCTGCCGTAGAGCCAGAGCCTGAGCTCGTAGTC AACCCCTGGGACATTGTCTTGTGTACCTCGGGAACCCTCATCTCCTGTGAAAATGCCATT GTGGTCCTTATCATCTTCCACAACCCAGCCTGCGAGCACCCATGTTCTGCTAATAGGC AGCCTGGCTCTTGACAGCCTGCTGGCCGCATTGGAATCATCACCAATTTGTTTTTGCC TACCTGCTTCAAGTCAGAAGCCACCAAGCTGGTCACGATCGGCCTCATTGTCGCCTCTTTC TCTGCCTCTGTCTGCAGCTTGTGGCTATCACTGTTGACCGCTACCTCTCACTGTACTAC GCTCTGACGTACCATTCCGAGAGGACGGTCACGTTTACCTATGTCATGCTCGTCATGCTC TGGGGACCTCCATCTGCCTGGGCTGCTGCCCGTCATGGGCTGGAAGTGCCTCCGAGAC GAGTCCACCTGCAGCGTGGTCAGACCGCTACCAAGAACAACCGGNCATCCTTTTCGGG GTCCTTCTCTTATGGTTTGCCTCATGCTTCAGCTCTACTTCAGATCTGGNAGATTGT GATGAGGCACGCCATCAGATAGCCTGCGCACACTTCTGGNCACGTGCACTATGTG ACACCCGAAAAGGGGTCTACCCTGGCTTATCTTGTGGGACCGTTGCTGTTGTGTGA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005288
Insert Size:	1500 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_005288.1 , NP_005279.1
RefSeq Size:	1005 bp

RefSeq ORF:	1005 bp
Locus ID:	2835
UniProt ID:	<u>P47775</u>
Cytogenetics:	13q12.13
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Promotes neurite outgrowth and blocks myelin inhibition in neurons (By similarity). Receptor with constitutive G(s) signaling activity that stimulates cyclic AMP production. [UniProtKB/Swiss-Prot Function]