

Product datasheet for **SC326613**

GPR56 (ADGRG1) (NM_001145774) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR56 (ADGRG1) (NM_001145774) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR56
Synonyms:	BFPP; BPPR; GPR56; TM7LN4; TM7XN1
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001145774, the custom clone sequence may differ by one or more nucleotides

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ATGACTCCCCAGTCGCTGCTGCAGACGACACTGTTCCCTGCTGAGTCTGCTCTTCCTGGTC
CAAGGTGCCCACGGCAGGGGCCACAGGGAAGACTTTCGTTCTGCAGCCAGCGGAACCAG
ACACACAGGAGCAGCCTCCACTACAACCACACCAGACTGCGCATCTCCATCGAGAAC
TCCGAAGAGGCCCTCACAGTCCATGCCCTTTCCTGCAGCCCACCCTGCTTCCCGATCC
TTCCCTGACCCCCAGGGGCTCTACCACTTCTGCCTCTACTGGAACCGACATGCTGGGAGA
TTACATTTCTCTATGGCAAGCGTGACTTCTTGCTGAGTGACAAAGCCTCTAGCCTCCTC
TGTTCCAGCACAGGAGGAGAGCCTGGCTCAGGGCCCCCGCTGTTAGCCAATTCTGTG
ACCTCCTGGTGGAGCCCTCAGAACATCAGCCTGCCAGTGCCGCCAGTTCACCTTCTCC
TTCCACAGTCTCCACACGGCCGCTCACAATGCCTCGGTGGACATGTGCGAGCTCAA
AGGGACCTCCAGCTGCTCAGCCAGTTTCTGAAGCATCCCAGAAGGCCTCAAGGAGGCC
TCGGCTGCCCCGCCAGCCAGCAGTTGCAGAGCCTGGAGTCGAAACTGACCTCTGTGAGA
TTCATGGGGGACATGGTGTCTTCGAGGAGGACCGGATCAACGCCACGGTGTGGAAGCTC
CAGCCCACAGCCGCCTCCAGGACTGCACATCCACTCCGGCAGGAGGAGGAGCAGAGC
GAGATCATGGAGTACTCGGTGCTGCTGCCTCGAACACTTTCAGAGGACGAAAGGCCGG
AGCGGGGAGGCTGAGAAGAGACTCCTCCTGGTGGACTTCAGCAGCCAAGCCTGTCCAG
GACAAGAATTCAGCCAAGTCTGGGTGAGAAGGTCTTGGGGATTGTGGTACAGAACC
AAAGTAGCCAACCTCACGGAGCCGTGGTGTCTACTTTCAGCACCAGCTACAGCCGAAG
AATGTGACTCTGCAATGTGTGTTCTGGGTTGAAGACCCACATTTGAGCAGCCCGGGCAT
TGGAGCAGTGTGGGTGTGAGACCGTCAGGAGAGAAACCAACATCCTGCTTCTGCAAC
CACTTGACCTACTTTGCAGTGTGATGGTCTCCTCGGTGGAGGTGGACGCCGTGCACAAG
CACTACCTGAGCCTCCTCTCCTACGTGGGCTGTGTGCTCTGCCCTGGCCTGCCTTGTG
ACCATTGCCGCCTACCTCTGCTCCAGGAGGAAACCTCGGGACTACACCATCAAGGTGCAC
ATGAACCTGCTGCTGGCCGTCTTCTGCTGGACAGGACTTCTGCTCAGCGAGCCGGTG
GCCCTGACAGGCTCTGAGGCTGGCTGCCAGCCAGTGCCATCTTCTGCACTTCTCCCTG
CTCACCTGCCTTCTGGATGGGCTCGAGGGGTACAACCTTACCGACTCGTGGTGGAG
GTCTTTGGCACCTATGTCCTGGCTACCTACTCAAGCTGAGCGCCATGGGCTGGGCTTC
CCCATCTTTCTGGTGACGCTGGTGGCCCTGGTGGATGTGGACAACTATGGCCCCATCATC
TTGGCTGTGCATAGGACTCCAGAGGGCGTCATCTACCCTTCCATGTGCTGGATCCGGGAC
TCCCTGGTCAGCTACATACCAACCTGGGCCTTTCAGCCTGGTGTCTTCTGTTCAACATG
GCCATGTAGCCACCATGGTGGTGCAGATCCTGCGGCTGCGCCCCACACCCAAAAGTGG
TCATATGTGCTGACACTGCTGGGCTCAGCCTGGTCTTGGCCTGCCCTGGGCTTGATC
TTCTTCTCCTTTGCTTCTGGCACCTTCCAGCTTGTGCTCCTTACCTTTTCAGCATCATC
ACCTCCTTCCAAGGCTTCTCATCTTCTGCTGACTGGTCCATGCGGCTGCAGGCCCGG
GGTGGCCCCTCCCTCTGAAGAGCAACTCAGACAGCGCCAGGCTCCCCATCAGCTCGGGC
AGCACCTCGTCCAGCCGCATC

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Restriction Sites: Please inquire

ACCN: NM_001145774

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001145774.1</u> , <u>NP_001139246.1</u>
RefSeq Size:	4058 bp
RefSeq ORF:	2064 bp
Locus ID:	9289
UniProt ID:	<u>Q9Y653</u>
Cytogenetics:	16q21
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (7) represents use of an alternate promoter, differs in the 5' UTR, and uses an alternate in-frame splice site in the coding region compared to variant 4. The resulting isoform (b, also known as S1) is shorter than isoform a. Variants 2, 3, 5, 6, and 7 encode the same isoform.</p>