

Product datasheet for **SC326614**

GPR56 (ADGRG1) (NM_001145773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR56 (ADGRG1) (NM_001145773) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR56
Synonyms:	BFPP; BPPR; GPR56; TM7LN4; TM7XN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001145773 edited
 ATGACTCCCCAGTCGCTGCTGCAGACGACACTGTTCTGCTGAGTCTGCTCTTCCTGGTC
 CAAGCCTCTGCCTCCTCAGGTGCCACGGCAGGGGCCACAGGGAAGACTTTCGCTTCTGC
 AGCCAGCGGAACCAGACACAGGAGCAGCCTCCACTACAAACCCACACCAGACCTGCGC
 ATCTCCATCGAGAACTCCGAAGAGGCCCTCACAGTCCATGCCCTTCCCTGCAGCCAC
 CCTGCTTCCCGATCCTTCCCTGACCCAGGGCCCTCTACCACTTCTGCCTCTACTGGAAC
 CGACATGCTGGGAGATTACATCTTCTCTATGGCAAGCGTACTTCTTGCTGAGTGACAAA
 GCCTCTAGCCTCCTCTGCTTCCAGCACAGGAGGAGAGCCTGGCTCAGGGCCCCCGCTG
 TTAGCCACTTCTGTACCTCCTGGTGGAGCCCTCAGAACATCAGCCTGCCAGTGCCGCC
 AGCTTACCTTCTCCTTCCACAGTCTCCCCACACGGCCGCTCACAATGCCTCGGTGGAC
 ATGTGCGAGTCAAAAGGGACCTCCAGCTGCTCAGCCAGTTCTGAAGCATCCCCAGAAG
 GCCTCAAGGAGGCCCTCGGCTGCCCGCCAGCCAGCAGTTGCAGAGCCTGGAGTCGAAA
 CTGACCTCTGTGAGATTCATGGGGACATGGTGTCTTCGAGGAGGACCGGATCAACGCC
 ACGGTGTGGAAGCTCCAGCCACAGCCGCCCTCCAGGACCTGCACATCCACTCCCGGCAG
 GAGGAGGAGCAGAGCGAGATCATGGAGTACTCGGTGCTGCTGCCTCGAACACTCTCCAG
 AGGACGAAAGGCCGGAGCGGGGAGGCTGAGAAGAGACTCCTCCTGGTGGACTTCAGCAGC
 CAAGCCCTGTTCCAGGACAAGAATTCCAGCCAAGTCTGGGTGAGAAGGTCTTGGGGATT
 GTGGTACAGAACACCAAAGTAGCCAACCTCACGGAGCCCGTGGTGTCTACTTCCAGCAC
 CAGCTACAGCCGAAGAATGTGACTCTGCAATGTGTGTTCTGGGTGAAGACCCACATTG
 AGCAGCCCGGGCATTGGAGCAGTGTGGGTGTGAGACCGTCAGGAGAGAAAACCAACA
 TCCTGCTTCTGCAACCACTTGACCTACTTTCAGTGTGATGGTCTCCTCGGTGGAGGTG
 GACGCCGTGCACAAGCACTACCTGAGCCTCCTCTCCTACGTGGGTGTGTCTCTGCC
 CTGGCCTGCCTTGTACCATTGCCGCTACCTCTGCTCCAGGAGGAAACCTCGGGACTAC
 ACCATCAAGGTGCACATGAACCTGCTGCTGGCCGTCTTCTGCTGGACAGGAGTTCCTG
 CTCAGCGAGCCGGTGGCCCTGACAGGCTCTGAGGCTGGCTGCCGAGCCAGTGCCATCTTC
 CTGCACTTCTCCCTGCTCACCTGCCTTCTGGATGGGCCTCGAGGGGTACAACCTCTAC
 CGACTCGTGGTGGAGGTCTTGGCACCTATGTCCCTGGCTACCTACTCAAGCTGAGCGCC
 ATGGGCTGGGCTTCCCATCTTCTGGTGACGCTGGTGGCCCTGGTGGATGTGGACAAC
 TATGGCCCATCATCTTGGCTGTGCATAGGACTCCAGAGGGCGTCATCTACCCTCCATG
 TGCTGGATCCGGGACTCCCTGGTCAGCTACATACCAACCTGGGCTCTTCAGCCTGGTG
 TTTCTGTTCAACATGGCCATGCTAGCCACCATGGTGGTGCAGATCCTGCGGCTGCGCCCC
 CACACCCAAAAGTGGTGCATGTGCTGACTGCTGGGCTCAGCCTGGTCTTGGCCTG
 CCCTGGGCTTGATCTTCTCTCTCTTCTGCTTCTGGCACCTTCCAGCTTGTGCTCCTAC
 CTTTTAGCATCATCACCTCCTTCCAAGGCTTCTCATCTTCTGTTACTGGTCCATG
 CGGCTGCAGGCCCGGGTGGCCCTCCCTCTGAAGAGCAACTCAGACAGCGCCAGGCTC
 CCCATCAGCTCGGGCAGCACCTCGTCCAGCCGATCTAG

Restriction Sites: Please inquire

ACCN: NM_001145773

Insert Size: 2100 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: 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_001145773.1</u> , <u>NP_001139245.1</u>
RefSeq Size:	3875 bp
RefSeq ORF:	2079 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 (8) differs in the 5' UTR and uses two alternate in-frame splice sites in the coding region compared to variant 4. The resulting isoform (c, also known as S3) is shorter than isoform a.</p>