

## Product datasheet for **RC219538**

### **GPR56 (ADGRG1) (NM\_201525) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR56 (ADGRG1) (NM_201525) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide  
Sequence:

>RC219538 representing NM\_201525  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

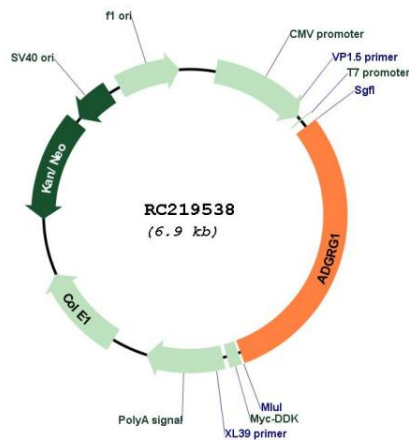
ATGACTCCCCAGTCGCTGCTGCAGACGACACTGTTCTCTGCTGAGTCTGCTTTCCTGGTCCAAGGTGCC  
ACGGCAGGGGCCACAGGGAAGACTTTCGCTTCTGCAGCCAGCGGAACCAGACACACAGGAGCAGCCTCCA  
CTACAAACCCACACCAGACCTGCGCATCTCCATCGAGAATCCGAAGAGGCCCTCACAGTCCATGCCCT  
TTCCTGCAGCCACCCTGCTTCCCGATCCTTCCCTGACCCAGGGGCCTCTACCACTTCTGCCTTACT  
GGAACCGACATGCTGGGAGATTACATCTTCTATGGCAAGCGTGACTTCTTGCTGAGTGACAAAGCCTC  
TAGCTCCTCTGCTTCCAGCACCAGGAGAGCCTGGCTCAGGGCCCCCGCTGTTAGCCACTTCTGTC  
ACCTCCTGGTGGAGCCCTCAGAACATCAGCCTGCCAGTGCCGCCAGTTACCTTCTCCTCCACAGTC  
CTCCCCACACGGCCGCTCACAATGCCTCGGTGGACATGTGCGAGCTCAAAGGGACCTCCAGCTGCTCAG  
CCAGTTCTCGAAGCATCCCCAGAAGGCCCAAGGAGGCCCTCGGCTGCCCGCCAGCCAGCAGTTGCAG  
AGCCTGGAGTCGAAACTGACCTCTGTGAGATTCATGGGGGACATGGTGTCTTCGAGGAGACCGGATCA  
ACGCCACGGTGTGGAAGCTCCAGCCACAGCCGGCCTCCAGGACCTGCACATCCACTCCCGGCAGGAGGA  
GGAGCAGAGCGAGATCATGGAGTACTCGGTGCTGCTGCCTCGAACACTTTCAGAGGACGAAAGGCCGG  
AGGGGGGAGGCTGAGAAGAGACTCCTCCTGGTGGACTTACAGCAGCAAGCCCTGTTCCAGGACAAGAATT  
CCAGCCAAGTCTGGGTGAGAAGTCTTGGGGATTGTGGTACAGAACACCAAAGTAGCCAACCTCACGGA  
GCCCGTGGTGTACCTTCCAGCACCAGCTACAGCCGAAGAATGTGACTTGCAATGTGTGTTCTGGGT  
GAAGACCCACATTGAGCAGCCCGGGCATTGGAGCAGTGTGGTGTGAGACCGTCAGGAGAGAAAACC  
AAACATCTGCTTCTGCAACCATTGACCTACTTTGCAGTGTGATGGTCTCCTCGGTGGAGGTGGACGC  
CGTGACAAGCACTACCTGAGCCTCCTCCTACGTGGGCTGTGTCGTCTCGCCCTGGCCTGCCTTGT  
ACCATTGCCGCTACCTCTGCTCCAGGAGAACTCGGGACTACACCATCAAGGTGCACATGAACCTGC  
TGCTGGCCGCTTCTCTGCTGGACACGAGTTCCTGCTCAGCGAGCCGGTGGCCCTGACAGGCTCTGAGGC  
TGGCTGCCGAGCCAGTGCATCTTCTGCACCTTCCCTGCTCACCTGCCTTTCCTGGATGGGCCTCGAG  
GGGTACAACCTTACCGACTCGTGGTGGAGTCTTTGGCACCTATGTCCCTGGCTACCTACTCAAGCTGA  
GCGCCATGGGCTGGGCTTCCCCATCTTCTGGTACGCTGGTGGCCCTGGTGGATGTGGACAACATATGG  
CCCCATCATCTTGGCTGTGCATAGGACTCCAGAGGGCGTCATCTACCCTCCATGTGCTGGATCCGGGAC  
TCCCTGGTCAGCTACATACCAACCTGGGCCTTTCAGCCTGGTGTTCCTGTTCAACATGGCCATGCTAG  
CCACCATGGTGGTGCAGATCCTGCGGCTGCGCCCCACACCCAAAAGTGGTCACATGTGCTGACACTGCT  
GGGCTCAGCCTGGTCTTGGCCTGCCCTGGGCCTTGATCTTCTCCTTTGCTTCTGGACCTTCCAG  
CTTGTCGTCTCTACCTTTTCAGCATCATCACCTCCTTCCAAGGCTTCTCATCTTCATCTGGTACTGGT  
CCATGCGGCTGCAGGCCCGGGTGGCCCTCCCCTCTGAAGAGCAACTCAGACAGCGCCAGGCTCCCCAT  
CAGCTCGGGCAGCACCTCGTCCAGCCGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_201525.4</a></u>
<b>RefSeq Size:</b>	4133 bp
<b>RefSeq ORF:</b>	2064 bp
<b>Locus ID:</b>	9289
<b>UniProt ID:</b>	<u><a href="#">Q9Y653</a></u>
<b>Cytogenetics:</b>	16q21
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>MW:</b>	77.1 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for RC219538