

Product datasheet for **SC320528**

GPR97 (ADGRG3) (NM_170776) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR97 (ADGRG3) (NM_170776) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR97
Synonyms:	GPR97; PB99; PGR26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_170776.3
 GCAGGGTGGGGCAGGCCAGCTCAGCAGAGCCTGGGGCCAGAGGGCCAGACAGCCACAGA
 GCTCCTGGCGTGGGAAGGCTGGCCAAGGATGGCGACGCCAGGGGCTGGGGCCCTGC
 TCCTGCTCCTCCTGCTCCCGACCTCAGGTCAGGAAAAGCCACCGAAGGGCCAAGAAACA
 CCTGCCTGGGAGCAACAACATGTACGACATCTCAACTTGAATGACAAGGCTTTGTGCT
 TCACCAAGTGCAGGCAGTCGGCAGCGACTCCTGCAATGTGAAAACTTGACAGATACT
 GGCTAAACTACGAGGCCATCTGATGAAGGAAGGTTTGACGCAGAAGGTGAACACGCCTT
 TCCTGAAGGCTTTGGTCCAGAACCCTCAGCACCAACTGCAGAAGACTTCTATTTCTCTC
 TGGAGCCCTCTCAGGTTCCGAGGCAGGTGATGAAGGACGAGGACAAGCCCTGACAGAG
 TGCGACTTCCCAAGAGCCTTTTTCGATCCCTGCCAGGCAACAGGTCTGTGGTCCGCTTGG
 CCGTCACCATTCTGGACATTGGTCCAGGGACTCTTTCAAGGGCCCCGGCTCGGCCTGG
 GAGATGGCAGCGCGTGTGAACAATCGCCTGGTGGGTTGAGTGTGGGACAAATGCATG
 TCACCAAGCTGGCTGAGCCTCTGGAGATCGTCTTCTCACCAGCGACCGCCCCAACA
 TGACCCTCACCTGTGATTCTGGGATGTACTAAAGGGACCACTGGAGACTGGTCTTCTG
 AGGGCTGCTCCACGGAGGTCAGACTGAGGGACCGTGTGCTGTGACCACCTGACCT
 TTTTCGCCCTGCTCCTGAGACCCACCTTGACCAGTCCACGGTGATATCCTCACACGCA
 TCTCCCAGGCGGGCTGTGGGGTCTCCATGATCTTCTGGCCTTACCATTATTCTTTATG
 CCTTTCTGAGGCTTTCCCGGGAGAGGTTCAAGTCAGAAGATGCCCAAAGATCCACGTGG
 CCCTGGGTGGCAGCCTGTTCTCCTGAATCTGGCCTTCTTGGTCAATGTGGGGAGTGGCT
 CAAAGGGGTCTGATGCTGCCTGCTGGGCCCGGGGGGCTGTCTTCCACTACTTCTGCTCT
 GTGCCTTACCTGGATGGGCCTTGAAGCCTTCCACCTCTACCTGCTCGCTGTCAGGGTCT
 TCAACACCTACTTCGGGCACTACTTCTGAAGCTGAGCCTGGTGGGCTGGGGCCTGCCCG
 CCCTGATGGTCACTCGGCCTGGGAGTGCCAACAGCTACGGCCTTACACCATCCGTGATA
 GGGAGAACCAGCACTCTCTGGAGCTATGCTGGTCCGTGAAGGGACAACCATGTACGCC
 TCTATATCACCCTCCACGGCTACTTCTCATCACCTTCTCTTTGGCATGGTGGTCTGG
 CCCTGGTGGTCTGGAAGATCTTACCCTGTCCCGTGTACAGTGGTCAAGGAGCGGGGGA
 AGAACCAGGAAGAAGGTGCTCACCTGCTGGGCCTCTCGAGCCTGGTGGGTGTGACATGGG
 GGTGGCCATCTTACCCCGTTGGGCCTCTCCACCGTCTACATCTTTGCACTTTTCAACT
 CCTTGAAGGTGCTTTCATCTGCTGCTGGTTCACCATCCTTTACCTCCCAAGTCAAGCA
 CCACAGTCTCCTCTACTGCAAGATTGGACCAGGCCACTCCGCATCTCAAGAATAGG
 AAGGCACGGCCCTGCAATATGGACTCAGCTCTGGCTCTCTGTGTGACCTTGGGCAGCTCC
 GTGCCTCTCTGTACTCCCTCAGTTTCTTCTCTGTACAATGTGGCTGGGGAGGAGAG
 GATGGGACCAGGTTGGACCACGTGGCATCAGAGTCCCATCCAGATCCAACATATAGGTCC
 AAGAGTCCACGTAAGCAGGTTTGAAGGCTCTAAAGTTCCTATAGTCTGAGACCCCTG
 CCAGCAAAGAGTGACAGTCACTCCATGCCCTGCCCTCATTGCAAAGCCCTCACTCACCT
 TCTGGTCTCAGCAAGGGAGGAGTCTGTTGCTGGCATAGCCCTGGAAGGAGCCCCCAGC
 CTCTCCCTCCTCCTTGTCACTGGCCTCCCAACTCCCCTTCTGGCTGCCTGTAAC
 CTTGAGGGGCAATCAGGAGGCCAGCGTTCCTCAGGCACTGGGGGTTGTTTTGGGGGT
 GGGAGTTGATCTCCACCCAGTCTGCCCTGGTCTCTGCCATCCAATCAGAGCCACC
 CTCTGGAAGAGACCCCGTGTTCAGAGTGTGGCAGCCCTGCAGTGTCCAGGGACACT
 GCATTTCAAAGAACCCTGAGTGGGTGAGCTACCTGGGCAAACCCCTCCTGACTC
 TGACTGCCACGTGGGTGGCCGACCTCTGACCTGCTGTCATCATAGAGGTAGAAAGCAA
 CAATCTGGGGCTCAGCACACCTGGGGTGTCCCACTCATTAGTGTGTGGGGCCCTGA
 GCAGAGGCTGGGCATTGCCACTAGAACCTGAGCTCCTAGAGAGCAAGGACCTGGGTGGCC
 TCGCTTACTGTTCCAGCCAGGCCAAGCACAGGGCCTGGCTCGTGGCAAACCTTGAATAA
 ATATTTGTTGGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_170776

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_170776.3</u> , <u>NP_740746.3</u>
RefSeq Size:	2681 bp
RefSeq ORF:	1650 bp
Locus ID:	222487
UniProt ID:	<u>Q86Y34</u>
Cytogenetics:	16q21
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>Orphan receptor that regulates migration of lymphatic endothelial cells in vitro via the small GTPases RhoA and CDC42 (PubMed:24178298). Regulates B-cell development (By similarity). Seems to signal through G-alpha(q)-proteins (PubMed:22575658).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>