

Product datasheet for **SC100902**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_170776, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACGCCAGGGGCTGGGGCCCTGCTCCTGCTCCTGCTCCCGACCTCAGGTCAGGAAAAGC
CCACCGAAGGGCCAAGAAACACCTGCCTGGGGAGCAACAACATGTACGACATCTCAACTGAATGACAA
GGCTTTGTGCTTACCAAGTGCAGGCAGTGGGCAGCGACTCCTGCAATGTGAAAACTGCAGAGATAC
TGGCTAAACTACGAGGCCATCTGATGAAGGAAGTTTGACGCAGAAGGTGAACACGCCTTCTGAAGG
CTTTGGTCCAGAACCTCAGCACCAACACTGCAGAAGACTTCTATTTCTCTCTGGAGCCCTCAGGTTCC
GAGGCAGGTGATGAAGGACGAGGACAAGCCCCCTGACAGAGTGCAGACTTCCCAAGAGCCTTTTTCGATCC
CTGCCAGGCAACAGGTCTGTGGTCCGCTTGGCCGTCAACATTCTGGACATTGGTCCAGGGACTCTTTCA
AGGGCCCCCGGCTCGGCCTGGGAGATGGCAGCGGCGTGTGAACAATCGCCTGGTGGGTTTGAGTGTGG
ACAAATGCATGTCACCAAGCTGGCTGAGCCTCTGGAGATCGTCTTCTCACCAGCGACCCCCCTAAC
ATGACCCTCACCTGTGTATTCTGGGATGTGACTAAAGGGACCACTGGAGACTGGTCTTCTGAGGGCTGCT
CCACGGAGGTGAGACTGAGGGACCGTGTGCTGTGACCACCTGACCTTTTTCGCCCTGCTCCTGAG
ACCCACCTTGGACCAGTCCACGGTGCATATCTCACACGCATCTCCAGGCGGGCTGTGGGGTCTCCATG
ATCTTCTGCGCCTTACCATTATCTTTATGCCTTTCTGAGGCTTCCCGGGAGAGGTTCAAGTCAGAAG
ATGCCCAAAGATCCACGTGGCCCTGGGTGGCAGCCTGTTCTCCTGAATCTGGCCTTCTTGGTCAATGT
GGGAGTGGTCAAAGGGTCTGATGCTGCCTGCTGGGCCGGGGGGCTGTCTTCCACTACTTCTGCTC
TGTGCCTTCACTGGATGGGCCTGAAGCCTTCCACCTTACCTGCTCGTGTGAGGGTCTTCAACACCT
ACTTCGGGCCTACTTCTGAAGCTGAGCCTGGTGGGCTGGGGCTGCCGCCCTGATGGTCATCGGCAC
TGGGATGCCAACAGCTACGGCCTACACCATCCGTGATAGGGAGAACCAGCCTCTCTGGAGCTATGC
TGGTTCGGTGAAGGGACAACCATGTACCCCTTATATCACCGTCCACGGCTACTTCTCACTACCTTCC
TCTTTGGCATGGTGGTCTGGCCCTGGTGGTCTGGAAGATCTTACCCTGTCCCGTGTACAGCGGTCAA
GGAGCGGGGAAGAACCAGGAAGAAGGTGCTCACCTGCTGGGCCTCTCGAGCCTGGTGGGTGACATGG
GGTTGGCCATCTTACCCCGTTGGCCTCTCCACCGTCTACATCTTTGCACTTTTCAACTCCTTGAAG
GTGCTTTCATCTGCTGCTGGTTCACCATCTTTACCTCCCAAGTCAGAGCACCACAGTCTCCTCCTAC
TGCAAGATTGGACCAGGCCACTCCGCATCTCAAGATAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_170776 unedited

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NGACGTTCTGTTTTGTATACGACTCACTATAGGCGGCCGCGCTGGCGTGGGCAAGGCTGG
CCAAGGATGGCGACGCCAGGGCCTGGGGGCCCTGCTCCTGCTCCTGCTCCCGACCT
CAGGTCAGGAAAAGCCACCGAAGGGCCAAGAAACACCTGCCTGGGGAGCAACAACATGT
ACGACATCTTCAACTTGAATGACAAGGCTTTGTGCTTACCAAGTGCAGGCAGTCCGGCA
GCGACTCCTGCAATGTGAAAACTTGCAGAGTTCCGAGGCAGGTGATGAAGGACGAGGA
CAAGCCCCCTGACAGAGTGCAGACTTCCCAAGAGCCTTTTTGATCCCTGCCAGGCAACAG
GTCTGTGGTCCGCTTGGCCGTACCATTTCTGGACATTGGTCCAGGACTCTCTTCAAGGT
GAGGACTCAGGGAAGCTCCAAGGTTAAGTGTAGGTCCTCTGGGGCTCCATGCCACAGT
TTGCTGTCACTGGAGCCTGCCGAGGATCCAATGGGGACAGAGCAGGCAGTGAGCCTCTT
AGTGTCTTCTAATGCAACCCGTGGCCATCTCATAACCTGTCACTAGAGTCTATGGTCTTC
AGACTCACACTGGTCACACGCTCTCATATGTTTGACCCCCACCCATGACGGCCCCTTGG
GCTTGGCTTATGTGACCTTGTGGATGCTCCGTCTCTTTCTAGTGAAGTCTTTTTTAA
AAAAGGCGGACACATGCCTACGCGCACGTGTCGGACCCCGCTAATACTCGCCAACCCCG
CACTGGAATAATACTGCGCGTACCCACATCTGCCCCAGTATCCATCCCCATTATTT
TATTCCACGCGCCGGTAAATCTTACCCCCCTACCTACCATCCGCGGAATCGAAGCTTC
TTGTCATGCGCATAAAAATATACGCGCCCT
    
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Restriction Sites:

NotI-NotI

ACCN:

NM_170776

Insert Size:

3000 bp

OTI Disclaimer:	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
OTI Annotation:	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
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_170776.2 , NP_740746.2
RefSeq Size:	2676 bp
RefSeq ORF:	2676 bp
Locus ID:	222487
UniProt ID:	Q86Y34
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>