

## Product datasheet for **SC108305**

### GPR87 (NM\_023915) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR87 (NM_023915) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR87
Synonyms:	FKSG78; GPR95; KPG_002
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_023915, RT-PCR generated  
GTGCATCACAACCTGAAGAATGGGGTTCAACTTGACGCTTGCAAAATTACCAAATAACGAG  
CTGCACGGCCAAGAGAGTCAACAATTCAGGCAACAGGAGCGACGGGCCAGGAAAGAACC  
ACCCTTACAATGAATTTGACACAATTGTCTTGCCGGTGCTTTATCTCATTATATTTGTG  
GCAAGCATCTTGCTGAATGGTTTAGCAGTGTGGATCTTCTCCACATTAGGAATAAAACC  
AGCTTCATATTCTATCTCAAAAACATAGTGGTTGCAGACCTCATAATGACGCTGACATTT  
CCATTTGCAATAGTCCATGATGCAGGATTTGGACCTTGGTACTTCAAGTTTATTCTCTGC  
AGATACTTTCAGTTTTGTTTTATGCAAACATGTATACTTCCATCGTGTTCCTTGGGCTG  
ATAAGCATTGATCGCTATCTGAAGGTGGTCAAGCCATTTGGGGACTCTCGGATGTACAGC  
ATAACCTTACGAAGTTTTATCTGTTTGTGTTTGGGTGATCATGGCTGTTTTGTCTTTG  
CCAAACATCATCCTAACAATGGTCAGCCAACAGAGGACAATATCCATGACTGCTCAAAA  
CTTAAAAGTCCTTTGGGGTCAAATGGCATAACGGCAGTCACCTATGTGAACAGCTGCTTG  
TTTGTGGCCGTGCTGGTATTCTGATCGGATGTTACATAGCCATATCCAGGTACATCCAC  
AAATCCAGCAGGCAATTCATAAGTCAGTCAAGCCGAAAGCGAAAACATAACCAGAGCATC  
AGGGTTGTGTGGCTGTGTTTTTACCTGCTTTCTACCATATCACTTGTGCAGAAATTCCT  
TTTACTTTTAGTCACTTAGACAGGCTTTTAGATGAATCTGCACAAAAATCCTATATTAC  
TGCAAAGAAATTACACTTTTCTGTCTGCGTGAATGTTTGCCTGGATCCAATAATTTAC  
TTTTTCATGTGTAGGTCATTTTCAAGAAGGCTGTTCAAAAAATCAAATATCAGAACCAGG  
AGTGAAAGCATCAGATCACTGCAAAGTGTGAGAAGATCGGAAGTTCGCATATATTATGAT  
TACACTGATGTAGGCC



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_023915 unedited TCCGGCAACTTGTGATTTGTAATAGATACACTATAGGCGGCCGCCAGTGTGATGGGTAT CTGCAGAAATTCGGCTTATTGCATTACATCTGGGGGATGGGGTTGAACTCGGCGCTTGCTG AAATTAACCAAATATATGATACTGCGGCGCGTCAATGAGAGTCACAATTACATGCGACAT GGAGCGACGGGCTCAGCGAAAGAAACACCACCCTTCGACAATGAATTTGACACAATTGTC TTGCCGGTGCTTTATCTCATTATATTTGTGGCAAGCATCTTGCTGAATGGTTTATCAGTG TGGATCTTGTCCACATTATGAATAAAACCAGCTTCATATTCTATCTCAAAAACATAGTG GTTGCATGACCTATAATGACGCTGACATTTCCATTTTGAATAGTCCATGATGCAGGATT TGGACCTTGGTACTTCAAGTTTATTCTCTGCAGATACACTTCAGTTTTGTTTTATGCAAA CATGTATACTTCCATCGTGTTTCTTGGGCTGATAAGCATTGATCGCTATCTGAAGGTGGT CAAGCCATTTGGGGACTCTCGGATGTACAGCATAACCTTCACGAAGTTTTATCTGTTTG TGTTTGGGTGATCATGGCTGTTTTGTCTTTGCCAAACATCATCTAACAAATGGTCAGCC AACAGAGGACAATATCCATGACTGCTCAAAACTTAAAAGTTCTTTGGGGGTCAAATGGCA TACGGCAGTCACCTATGTGAACAGCTGCTGTTTGTGGCCGTGCTGGTATTTTGATCGG ATGTTACATAGCCATATTCAGGTACATCCACAAATCCATCATGCAATTCATAAGTCAGTT CAAGCCGAAAGCGAAAACCTACCCGAGCATCAGGGTTGTTGTGGCTGTGGTTTTT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_023915
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_023915.2</a> , <a href="#">NP_076404.2</a>
<b>RefSeq Size:</b>	1498 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	53836
<b>UniProt ID:</b>	<a href="#">Q9BY21</a>
<b>Cytogenetics:</b>	3q25.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

This gene encodes a G protein-coupled receptor and is located in a cluster of G protein-coupled receptor genes on chromosome 3. The encoded protein has been shown to be overexpressed in lung squamous cell carcinoma (PMID:18057535) and regulated by p53 (PMID:19602589). [provided by RefSeq, Nov 2011]