

## Product datasheet for **SC336733**

### **GPR161 (NM\_001267611) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GPR161 (NM_001267611) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR161
Synonyms:	RE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC336733 representing NM\_001267611.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAAGTCGTCCAGCATGCTCTGCCACCCACGCCGAGGTGCACTGACCATGAGCCTCAACTCCTCC
CTCAGCTGCAGGAAGGAGCTGAGTAATCTCACTGAGGAGGAGGTGGCGAAGGGGGCGTCATCACC
CAGTTTCATCGCCATCATTGTTCATCACCATTTTGTCTGCCTGGGAAACCTGGTCATCGTGGTCACCTTG
TACAAGAAGTCCCTACCTCCTCACCTCAGCAACAAGTTCGTCTTCAGCCTGACTCTGTCCAACTCCTG
CTGTCCGTGTTGGTGCTGCCTTTTGTGGTGACGAGCTCCATCCGCAGGGAATGGATCTTTGGTGTAGTG
TGGTGCAACTTCTGCCCCTCCTACCTGCTGATCAGCTCTGCCAGCATGCTAACCCCTCGGGGTCATT
GCCATCGACCGCTACTATGCTGTCTGTACCCCATGGTGTACCCCATGAAGATCACAGGGAACCGGGCT
GTGATGGCACTTGTCTACATCTGGCTTCACTCGCTCATCGGCTGCCTGCCACCCCTGTTTGGTTGGTCA
TCCGTGGAGTTTACGAGTTCAAATGGATGTGTGGCTGCTTGGCACCGGGAGCCTGGTACACGGCC
TTCTGGCAGATCTGGTGTGCCCTTCCCTTTTCTGGTATGCTGGTGTGCTATGGCTTCATCTCCGC
GTGGCCAGGGTCAAGGCACGCAAGGTGCACTGTGGCACAGTCGTATCGTGGAGGAGGATGCTCAGAGG
ACCGGGAGGAAGAACTCCAGCACCTCCACCTCCTTTCAGGCAGCAGGAGGAATGCCTTTCAGGGTGTG
GTCTACTCGGCCAACAGTGCAAGCCCTCATCACCATCCTGGTGGTCTCGGTGCCCTTCATGGTCACC
TGGGGCCCTACATGGTTGTATCGCCTCTGAGGCCCTCTGGGGAAAAGCTCCGTCTCCCCGAGCCTG
GAGACTTGGGCCACATGGCTGTCTTGGCAGCGCTGTCTGCCACCCCTGATCTATGGACTCTGGAAC
AAGACAGTTCGAAAGAAGTACTGGGCATGTGCTTGGGGACCGGATTATCGGGAACCATTTGTGCAA
CGACAGAGGACTTCCAGGCTCTTCAGCATTTCCAACAGGATCACAGACCTGGGCTGTCCCCACACCTC
ACTGCGCTCATGGCAGGTGGACAGCCCTGGGGCACAGCAGCAGCAGCGGGGGACTGGCTCAGCTGC
TCCCAGGACTCAGGGACAGATATGATGCTGCTTGAGGACTACACGTCTGATGACAACCTCCCTCTCAC
TGCACTTGCCACCCAAGAGAAGGAGCTCGGTGACATTTGAGGATGAAGTGAACAAATCAAAGAAGCT
GCCAAGAAGTTCGATTCTCATGTGAAAGCTGAAGTACACAAGTCTTGGACAGTTACGCAGCAAGCTTG
GCCAAGCCATTGAGGCCAAGCCAAAATCAACTATTTGGGGAGGAGGCTTGGCAGGGGTCTTGGTT
ACAGCACGGACTGTCCCGGGGGCGGCTTCGGGGCCGCCGAGGCAGCAGAACTTTGTGAGCCAGAGG
CTGCAGTTGCAGAGCATCGAAGAAGGAGATGTTTGTAGCTGCCGAGCAGAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001267611

**Insert Size:** 1641 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).

**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:**

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\\_001267611.1](#)

**RefSeq Size:** 7815 bp

**RefSeq ORF:** 1641 bp

**Locus ID:** 23432

**Cytogenetics:** 1q24.2

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**MW:** 60.4 kDa

**Gene Summary:** The protein encoded by this gene is an orphan G protein-coupled receptor whose ligand is unknown. This gene is overexpressed in triple-negative breast cancer, and disruption of this gene slows the proliferation of basal breast cancer cells. Therefore, this gene is a potential drug target for triple-negative breast cancer. [provided by RefSeq, Mar 2017]  
Transcript Variant: This variant (4) lacks a portion of the 5' coding region, and initiates translation at an upstream start codon, compared to variant 1. The resulting isoform (3) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.