

Product datasheet for **SC330771**

GPR161 (NM_001267613) Human Untagged Clone

Product data:

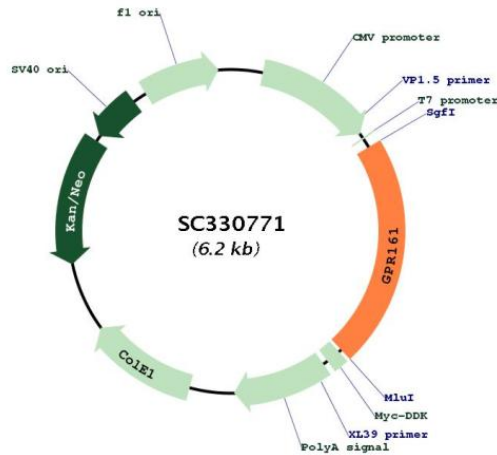
Product Type: Expression Plasmids
Product Name: GPR161 (NM_001267613) Human Untagged Clone
Tag: Tag Free
Symbol: GPR161
Synonyms: RE2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330771 representing NM_001267613.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGAGGGCGTAGGTGCGTGCCCGGGACTCTGCCGATGCGGGCCGCGCCCTGGGGCCAAGAGACTC
CACGTCCCCTCAGGGCAAAGGGTGTGGGGAGAAGCGGTACGCCCTCGGCTGGAATCCGTGAGGACC
AGCTACTATGCTGTCTGTACCCATGGTGTACCCATGAAGATCACAGGGAACCGGGCTGTGATGGCA
CTTGTCTACATCTGGCTTCACTCGCTCATCGGCTGCCTGCCACCCTGTTGGTTGGTTCATCCGTGGAG
TTTGACGAGTTCAAATGGATGTGTGGCTGCTTGGCACCGGGAGCCTGGCTACACGGCCTTCTGGCAG
ATCTGGTGTGCCCTTCCCTTTCTGGTTCATGCTGGTGTGCTATGGCTTCATCTCCGCGTGGCCAGG
GTCAAGGCACGCAAGGTGCACTGTGGCAGATCGTCATCGTGGAGGAGGATGCTCAGAGGACCGGGAGG
AAGAACTCCAGCACCTCCACCTCCTTTCAGGCAGCAGGAGGAATGCCTTTCAGGGTGTGGTCTACTCG
GCCAACCAAGTGCAGGACCTCATCACCATCCTGGTGGTCTCGGTGCCTTCATGGTCACTGGGGCCCC
TACATGGTTGTCATCGCCTCTGAGGCCCTCTGGGGGAAAAGCTCCGTCTCCCCGAGCCTGGAGACTTGG
GCCACATGGCTGTCTTTGCCAGCGTGTCTGCCACCCCTGATCTATGGACTCTGGAACAAGACAGTT
CGCAAAGAAGTACTGGGCATGTGCTTTGGGGACCGGATATATCGGGAACCATTTGTGAACGACAGAGG
ACTTCCAGGCTTTCAGCATTTCCAACAGGATCACAGACCTGGCCTGTCCCCACACCTCACTGCGCTC
ATGGCAGGTGGACAGCCCCTGGGGCACAGCAGCAGCAGCGGGGACACTGGCTTCAGCTGCTCCCAGGAC
TCAGGGACAGATATGATGCTGCTTGAGGACTACAGCTCTGATGACAACCTCCCTCTCACTGCACTTGC
CCACCAAGAGAAGGAGCTCGGTGACATTTGAGGATGAAGTGAACAAATCAAAGAAGCTGCCAAGAAC
TCGATTCTCATGTGAAAGCTGAAGTACACAAGTCTTGGACAGTTACGCAGCAAGCTTGGCCAAAGCC
ATTGAGGCCGAAGCCAAAATCACTTATTTGGGGAGGAGGCTTTGCCAGGGGTCTTGGTTACAGCACGG
ACTGTCCCGGGGGCGGCTTCGGGGGCCCGGAGGCAGCAGAAGCTTGTGAGCCAGAGGCTGCAGTTG
CAGAGCATCGAAGAAGGAGATGTTTTAGCTGCCGAGCAGAGATGA
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001267613

Insert Size: 1356 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_001267613.1](#)

RefSeq Size: 7664 bp

RefSeq ORF: 1356 bp

Locus ID: 23432

UniProt ID: [Q8N6U8](#)

Cytogenetics: 1q24.2

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 49.7 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 (6) differs in the 5' UTR and lacks a portion of the 5' CDS compared to variant 1. These differences cause translation initiation an alternate start codon compared to variant 1. The resulting isoform (5) 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.