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Product datasheet for SC108456

GPR161 (NM_153832) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR161 (NM_153832) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR161
Synonyms:	RE2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_153832, the custom clone sequence may differ by one or more nucleotides

ATGAGCCTCAACTCCTCCCTCAGCTGCAGGAAGGAGCTGAGTAATCTCACTGAGGAGGAGGGTGGCGAAG
GGGGCGTCATCATCACCCAGTTCATCGCCATCATTGTCATCACCATTTTTGTCTGCCTGGGAAACCTGGT
CATCGTGGTCACCTTGTACAAGAAGTCCTACCTCCTCACCCTCAGCAACAAGTTCGTCTTCAGCCTGACT
CTGTCCAACTTCCTGCTGTCCGTGTTGGTGCTGCCTTTTGTGGTGACGAGCTCCATCCGCAGGGAATGGA
TCTTTGGTGTAGTGTGGTGCAACTTCTCTGCCCTCCTCTACCTGCTGATCAGCTCTGCCAGCATGCTAAC
CCTCGGGGTCATTGCCATCGACCGCTACTATGCTGTCCTGTACCCCATGGTGTACCCCATGAAGATCACA
GGGAACCGGGCTGTGATGGCACTTGTCTACATCTGGCTTCACTCGCTCATCGGCTGCCTGCCACCCCTGT
TTGGTTGGTCATCCGTGGAGTTTGACGAGTTCAAATGGATGTGTGTGGCTGCTTGGCACCGGGAGCCTGG
CTACACGGCCTTCTGGCAGATCTGGTGTGCCCTCTTCCCCTTTCTGGTCATGCTGGTGTGCTATGGCTTC
ATCTTCCGCGTGGCCAGGGTCAAGGCACGCAAGGTGCACTGTGGCACAGTCGTCATCGTGGAGGAGGATG
CTCAGAGGACCGGGAGGAAGAACTCCAGCACCTCCACCTCCTCTTCAGGCAGCAGGAGGAATGCCTTTCA
GGGTGTGGTCTACTCGGCCAACCAGTGCAAAGCCCTCATCACCATCCTGGTGGTCCTCGGTGCCTTCATG
GTCACCTGGGGCCCCTACATGGTTGTCATCGCCTCTGAGGCCCTCTGGGGGAAAAGCTCCGTCTCCCCGA
GCCTGGAGACTTGGGCCACATGGCTGTCCTTTGCCAGCGCTGTCTGCCACCCCCTGATCTATGGACTCTG
GAACAAGACAGTTCGCAAAGAACTACTGGGCATGTGCTTTGGGGACCGGTATTATCGGGAACCATTTGTG
CAACGACAGAGGACTTCCAGGCTCTTCAGCATTTCCAACAGGATCACAGACCTGGGCCTGTCCCCACACC
TCACTGCGCTCATGGCAGGTGGACAGCCCCTGGGGCACAGCAGCAGCACGGGGGACACTGGCTTCAGCTG
CTCCCAGGACTCAGGGACAGATATGATGCTGCTTGAGGACTACACGTCTGATGACAACCCTCCCTCTCAC
TGCACTTGCCCACCCAAGAGAAGGAGCTCGGTGACATTTGAGGATGAAGTGGAACAAATCAAAGAAGCTG
CCAAGAACTCGATTCTTCATGTGAAAGCTGAAGTACACAAGTCCTTGGACAGTTACGCAGCAAGCTTGGC
CAAAGCCATTGAGGCCGAAGCCAAAATCAACTTATTTGGGGAGGAGGCTTTGCCAGGGGTCTTGGTTACA
GCACGGACTGTCCCGGGGGGCGGCTTCGGGGGCCGCCGAGGCAGCAGAACTCTTGTGAGCCAGAGGCTGC
AGTTGCAGAGCATCGAAGAAGGAGATGTTTTAGCTGCCGAGCAGAGATGA

Restriction Sites: NotI-NotI

ACCN: NM_153832

Insert Size: 2100 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_153832.2, NP_722561.1

RefSeq Size:	8222 bp
RefSeq ORF:	1590 bp
Locus ID:	23432
UniProt ID:	Q8N6U8
Cytogenetics:	1q24.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
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 (3) lacks an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) is shorter compared to isoform 1. Variants 2, 3, 8, 9, and 10 all encode the same isoform (2). 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.