

Product datasheet for **SC103124**

GPR161 (AK091271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR161 (AK091271) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR161
Synonyms:	RE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK091271, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGGACCAGAGACGAAGGGCTTGAAGGAGACCCACATGCATCATTTCTCCTCTTCACAGTGT  
GCTGGGAGTCCAGCCGTGCACTGTGCCAGATGCCTCAGGAGGAGAACCCTCCCCAGTGTACTGTGAAGGA  
TGACACAGCACTTCTTCCTAATGACACGCGACCGTCTGGTGCCTCTACATGGTTGATGCGGGCAGTGTG  
GGACCCTCAGTTCTAGGACTGGTCCGCAGAGAAAGCACCCAGGAGCAGAGCGCTTCGGAGCGGTCTCAG  
TGGCGCCGCTGCTGGTCTAATAGGGACAGCCACAGGCCTCTTGCAGACTGGCCACCCTGCCTACTCC  
CCTACTGACAAGTTCTTTGGTATTTCAAAGGGAGAAACCACTATAAAAGACAAGAGGAAGGCAGGTAC  
TAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK091271 unedited AAAAAACCAAAAAAAAAATCTAGAGATGTGGCTGTGGCTTTTTGGGAGGTGGGGCATGGGA GGACCAGAGACGAAGGGCTTGAAGGAGACCCACATGCATCATTTCTCCTCTTACACA GTGTGCTGGGAGTCCAGCCGTGCACTGTGCCAGATGCCTCAGGAGGAGAACCCCTCCCGAG TGTACTGTGAAGGATGACACAGCACTTCTTCTAATGACACGCGACCGTCTGGTGCCTC TACATGGTTGATCGGGCAGTGTGGGACCCTCAGTTCTAGGACTGGTCCGAGAGAAAGC ACCCAGGAGCAGAGCGCTTCGGAGCGGTCTCAGTGGCGCCACCTGCTGGTGCTAATAGG GACAGCCACAGGCCTCTTGCAGACTGGCCACCCCTGCCTACTTCCCTACTGACAAGTTCT TTGGTATTTCAAAGGGAGAAACCACTATAAAAGACAAGAGGAAGGGCAGGTAAGGTG TTTCAATTCAGAAATAAAAAAAAAATCCATTTAAGACGTACCACTGTTTTACCGGACTG AATGGGACTGTAGTGCCAAGCACAGCCAGGAAATAGAGAACTGTTATTATGGAAGGGAA NTTTGTTCACATGGGAAAGCCTCATTAAATAGATTCTATGTGTGATGTTTGAGTGACCA ATGAAATAGCTGGCCTCAGTTCTGCATGGCACACTCCCCAGAGCACAGTTACTATTATC ACANGCCTGGTATAATAAGATAGAGCAGCCCTGGACCACAGNCAGCACCTGGGGTATTGG CCANCTCTGCCTTGNGTGCCATGTCATTGGAACCTCTGCACCTTTAGGNCTTTGTAAGG GAAACNAAC
Restriction Sites:	NotI-NotI
ACCN:	AK091271
Insert Size:	4700 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:	<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:	AK091271.1 , BAC03624.1
RefSeq Size:	2347 bp
RefSeq ORF:	423 bp
Locus ID:	23432
Cytogenetics:	1q24.2
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]