

Product datasheet for **SC128209**

GPR14 (UTS2R) (NM_018949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR14 (UTS2R) (NM_018949) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR14
Synonyms:	GPR14; UR-2-R; UTR; UTR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018949, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCTGACCCCGAGTCCCGAGCAGCTTCCCTGGGCTGGCCGCCACCGGCAGCTCTGTGCCGGAGC
CGCCTGGCGGCCCAACGCAACCCTCAACAGCTCCTGGCCAGCCGACCGAGCCAGCTCCCTGGAGGA
CCTGGTGGCCACGGGCACCATTTGGGACTCTGCTGTGGCCATGGGCGTGGTGGGCGTGGTGGGCAACGCC
TACACGCTGGTGGTACCTGCCGCTCCCTGCGTGGCTGGCTCCATGTACGTCTACGTGGTCAACCTGG
CGCTGGCCGACCTGCTGTACCTGCTCAGCATCCCCTTCATCGTGGCCACCTACGTACCAAGGAGTGGCA
CTTCGGGGACGTGGGCTGCCGCTGCTCTTCGGCCTGGACTTCTGACCATGCACGCCAGCATCTTCAGC
CTGACCGTCATGAGCAGCGAGCGCTACGCTGCGGTGCTGCGGCCGCTGGACACCGTGCAGCGCCCAAGG
GCTACCGCAAGCTGCTGGCGCTGGGCACCTGGCTGCTGGCGCTGCTGCTGACGCTGCCCGTGATGCTGGC
CATGCGGCTGGTGGCGCCGGGGTCCCAAGAGCCTGTGCCTGCCCGCTGGGGCCCGCGCGCCACCGCGCC
TACCTGACGCTGCTCTTCGCCACCAGCATCGCGGGGCCGGGGTCTCATCGGGTCTCTACGCGCGCC
TGGCCCGCGCCTACCGCCGCTCGCAGCGCGCTCCTTCAAGCGGGCCCGCGCGCCGGGGCGCGCGCT
GCGCCTGGTGTGGGATCGTGTGCTCTTCTGGGCTGCTTCTGCCCCTTCTGGCTGTGGCAGTGTCTC
GCCCAGTACCACCAGGCCCGCTGGCGCCGCGGACGGCGCGCATCGTCAACTACCTGACCACCTGCCTCA
CCTACGGCAACAGCTGCGCAACCCCTTCTCTACACGCTGCTCACCAGGAACTACCGCGACCACCTGCG
CGGCCGCTGCGGGGCCCGGGCAGCGGGGAGGCCGGGGCCCGTCCCTCCCTGACGCCCGCGCCCGC
TTCCAGCGCTGTTGCGGGCGCTCCCTGTCTTCTGACGCCACAGCCACTGACAGCCTCGTGTGCCCC
CAGCGGCCCGCGCCGACCTGCGCCGAGGGTCCAGGGCCCGCGCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018949 unedited
 NNNGGTTCACTACAATTTTGTATACGACTCACTATAGGCGGCCGCGNATTCGCCCTTGCT
 GAGCTGGTTGCCACAGGGGCCCCCGCCCATCTCAGGGAGTGTCCACCCAGCCCTGAGC
 CCGTCGTGAGGGGTGAGAGATGGCGCTGACCCCGAGTCCCGGAGCAGCTCCCTGGGCT
 GGCCGCACTGGCAGCTCTGTGCCGGAGCCGCTGGCGGCCCAACGCAACCCTCAACAG
 CTCCTGGGCCAGCCGACCGAGCCAGCTCCCTGGAGGACCTGGTGGCCACGGGCACCAT
 TGGGACTCTGCTGTCGGCCATGGCGTGGTGGCGTGGTGGGCAACGCCTACACGCTGGT
 GGTCACTGCGGCTCCCTGCGTGCCTGGCTCCATGTACGTCTACGTGGTCAACCTGGC
 GCTGGCCGACCTGCTGTACCTGCTCAGCATCCCTTCATCGTGGCCACCTACGTACCAA
 GGAGTGGCACTTCGGGGACGTGGGCTGCCGCGTCTTCGGCCTGGACTTCTGACCAT
 GCACGCCAGCATCTTACGCTGACCGTCATGAGCAGCGAGCGCTACGCTGCGGTGCTGCG
 GCCGCTGGACACCGTGCAGCGCCCAAGGGCTACCGCAAGCTGCTGGCGCTGGGCACCTG
 GCTGCTGGCGTCTGCTGACGCTGCCCGTATGCTGGCCATGCGGCTGGTGGCCGGGG
 TCCAAAAGCCTGTGCCTGCCCGCTGGGGCCCGCGCCACCAGCGCTACCTGACGCT
 GCTCTTCCGCCACAGCATCGCGGGGCCGGGCTGCTCATCGGGTCTCTACGCGCGCC
 TGCCCGCGCCTACCGCCGCTCGCAGCGCGCTCCTTCAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018949 unedited
 AGNAAAGCACTGGGNGAGGTCACAGGGNATGCCACCCGGGATCTGTTCAAGNAAACAGC
 TATGACCGCGGCCGAATCTAGAGTCGACAAGCTTGATATCGGTACCAGATCTGAATTCG
 CCCTTTCACGCCGGGGCCCTGGGACCCTCGGGCGCAGGTGGGCCGGGGCCGCTGGGGCC
 AGCAGGAGGCTGTAGTGGGCTGTGGGCTGCAGGAAGACAGGGAGCGGCCGAACAGCGC
 TGAAGCGGGCGCGGGGCTGCAGGGAGGGAACGGGCCCGCCCTCCCGCTGCCCGGG
 CCCCGCACGCGCGCGCAGGTGGTGCCTGAGTTCCTGGTGGAGCAGCGTGTAGAGGAAG
 GGGTTGGCGCAGCTGTTGCCGTAGGTGAGGCAGGTGGTACAGTGTGACGATGCGCGCC
 GTCCGCGCGCCAGCGGGGCTGGTGGTACTGGGCGAGCAGCTGCCACAGCCAGAAAGGC
 AGGAAGCAGGCCAGAGAGCAGCAGATGCCAGCACCAGGCGCAGCGCGCGCGCCCC
 GGCCGCGGGGCCCGCTTGAAGGAGGCGCGCTGCGAGCGGGGTAGGCGCGGGCCAGGCGC
 GCGTAGAGCAGCCGATGAGCAGCCGGGCCCGCGATGCTGGTGGCGAAGAGCAGCGTC
 AGGAGGCGNCCGNTGGGCCGCGGGGCCCGCCAGCGGGCAGGCACAGGCTCTTGGGACCC
 GGCGCACAGCCGATGGCCAGCATCACGGGCAGCGTCAGCAGCAGCGCCAGCAGCCAGG
 TGCCAGCGCCAGCAGTTGCGGTAGCCCTTGGGGCGCTGCACGGTGTCCAGCGGCCGA
 GCACCGCAGCGTAGCGCTCGCTGCT

Restriction Sites:

Please inquire

ACCN:

NM_018949

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:	<u>NM_018949.1</u> , <u>NP_061822.1</u>
RefSeq Size:	1170 bp
RefSeq ORF:	1170 bp
Locus ID:	2837
UniProt ID:	<u>Q9UKP6</u>
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	High affinity receptor for urotensin-2 and urotensin-2B. The activity of this receptor is mediated by a G-protein that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]