

Product datasheet for RC228005

GPR14 (UTS2R) (NM_018949) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR14 (UTS2R) (NM_018949) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UTS2R
Synonyms:	GPR14; UR-2-R; UTR; UTR2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC228005 representing NM_018949 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGACCCCCGAGTCCCCGAGCAGCTTCCCTGGGCTGGCCGCCACCGGCAGCTCTGTGCCGGAGC
CGCTGGCGGCCCAACGCAACCCTCAACAGCTCCTGGCCAGCCGACCGAGCCAGCTCCCTGGAGGA
CCTGGTGGCCACGGGACCAATTGGGACTCTGCTGTCGGCCATGGGCGTGGTGGGCGTGGTGGCAACGCC
TACACGCTGGTGGTCACCTGCCGCTCCCTGCGTGCCTGGCCATGTACGTCTACGTGGTCAACCTGG
CGCTGGCCGACCTGCTGTACCTGCTCAGCATCCCCCTCATCGTGGCCACCTACGTACCAAGGAGTGGCA
CTTCGGGGACGTGGGCTGCCGCTGCTCTTCGGCTGGACTTCCTGACCATGCACGCCAGCATCTTCACG
CTGACCGTCATGAGCAGCGAGCGCTACGCTGCGGTGCTGCGGCCGCTGGACACCGTGCAGCGCCCAAGG
GCTACCGCAAGCTGCTGGCGTGGGACCTGGCTGCTGGCGTGTGCTGACGCTGCCCGTATGCTGGC
CATGGCGTGGTGC CGCGGGTCCCAAGAGCCTGTGCCTGCCCGCTGGGCCCCGCGCCACCGCGCC
TACCTGACGCTGCTCTTCGCCACCAGCATCGCGGGCCCGGGCTGCTCATCGGGTGTCTACGCGCGCC
TGGCCCCGCGCTACCGCGCTCGCAGCGCGCTCCTTCAAGCGGGCCCGCGGGCCCGCGCGCT
GCGCCTGGTGTGGGCATCGTGTCTTCTGGGCTGCTTCTGCCCTTCTGGCTGTGGCAGCTGCTC
GCCAGTACCACCAGGCCCGCTGGCGCCGCGGACGGCGCGCATCGTCAACTACCTGACCACCTGCCTCA
CCTACGGCAACAGCTGCGCAACCCCTTCTCTACACGCTGCTACCAAGAACTACCGCGACCACCTGCG
CGGCCGCTGCGGGGCCCGGACGCGGGGAGGCCGGGGCCCGTTCCCTCCCTGCAGCCCCGCGCCCGC
TTCCAGCGCTGTTGGGCGCTCCCTGTCTTCTGCAGCCACAGCCACTGACAGCCTCGTGTGGCC
CAGCGGCCCGCGCCGACCTGCGCCGAGGGTCCAGGGCCCCGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC228005 representing NM_018949
 Red=Cloning site Green=Tags(s)

MALTPESPSSFPGLAATGSSVPEPPGPNATLNSSWASPTESPSSLEDLVATGTIGTLLSAMGVVGVGNA
 YTLVVTCSRSLRAVASYMYVYVNLALADLLYLLSIPFIVATYVTKWHFGDVGCRVLFGLDFLTMHASIFT
 LTVMSSERYAAVLRPLDTVQRPKGYRKLALGTWLLALLLTLVMLAMRLVRRGPKSLCLPAWGPRAHRA
 YLTLLFATSIAGPGLLIGLLYARLARAYRRSQRASFKRARRPGARALRLVLGIVLLFWACFLPFWLWQLL
 AQYHQAPLAPRTARIVNYLTTCLTYGNSCANPFLYTLLTRNYRDHLRGRVIRGPGSGGGRGPVPSLQPRAR
 FQRCSGRSLSSCSPQPTDSLVLAPAAPARPAPEGPRAPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

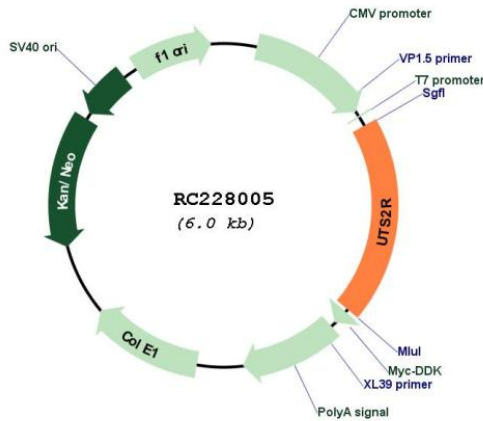
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_018949

ORF Size:	1167 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_018949.1 , NP_061822.1
RefSeq ORF:	1170 bp
Locus ID:	2837
UniProt ID:	Q9UKP6
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	41.9 kDa
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]