

Product datasheet for RC213948

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:	GPR14
Synonyms:	GPR14; UR-2-R; UTR; UTR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213948 representing NM_018949. Blue=ORF Red=Cloning site Green=Tag(s)

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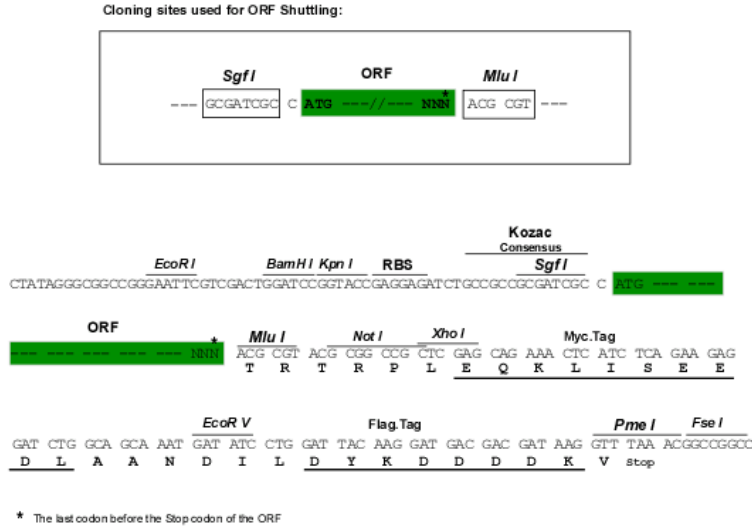
Protein Sequence: >Peptide sequence encoded by RC213948
 Blue=ORF Red=Cloning site Green=Tag(s)

MALTPESPSSFPGLAATGSSVPEPPGPNATLNSSWASPTPSSLEDLVATGTIGTLLSAMGVVGVVGN
 AYTLVVTCRSLRAVASMYVVVNLALADLLYLLSIPFIVATYVTKWHFGDVGCRVLFGLDFLTMHASI
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 QPRARFQRCSGRSLSSCSPQPTDSLVLAPAAPARPAPEGPRAPA
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6217_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018949

ORF Size: 1167 bp

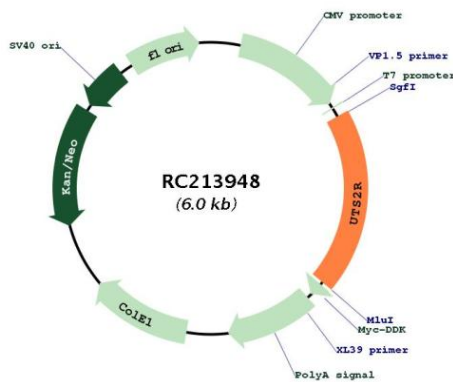
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

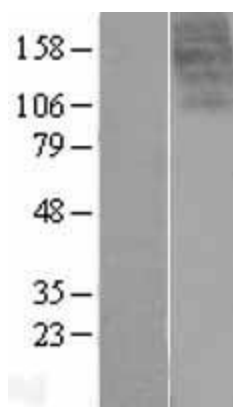
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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 Size:** 1170 bp
- 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:** 42.1 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]

Product images:



Circular map for RC213948



Western blot validation of overexpression lysate (Cat# [LY412862]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213948 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).