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Product datasheet for RC201333

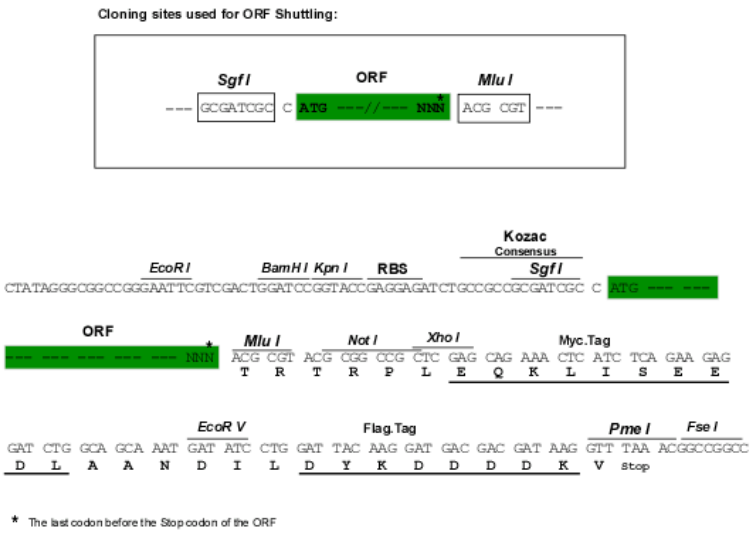
UCN2 (NM_033199) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCN2 (NM_033199) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UCN2
Synonyms:	SRP; UCN-II; UCNI; UR; URP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201333 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACCAGGTGTGCTCTGCTGTTGCTGATGGTCCTGATGTTGGGCAGAGTCCTGGTTGTCCCAGTGACCC CTATCCCAACCTTCCAGCTCCGCCCTCAGAATTCTCCCCAGACCACTCCCCGACCTGCGGCCTCAGAGAG CCCCTCAGCTGCTCCCACATGGCCGTGGGCTGCCCAGAGCCACTGCAGCCCCACCCGCCACCCTGGCTCG CGCATTGTCCTATCGCTGGATGTCCCCATCGGCCTCTTGCAGATCTTACTGGAGCAAGCCCGGGCCAGGG CTGCCAGGGAGCAGGCCACCACCAACGCCCGCATCCTGGCCCGTGTCGGCCACTGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC201333 protein sequence Red=Cloning site Green=Tags(s) MTRCALLLLMVLMLGRVLVVPVTPIPTFQLRPQNSPQTTPRPAASESPSAAPTWPWAAQSHCSPTRHPGS RIVLSLDVPIGLLQILLEQARARAAREQATTNARILARVGHC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6125_c07.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



ACCN:	NM_033199
ORF Size:	336 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:	NM_033199.4
RefSeq Size:	1546 bp
RefSeq ORF:	339 bp
Locus ID:	90226

UniProt ID: Q96RP3

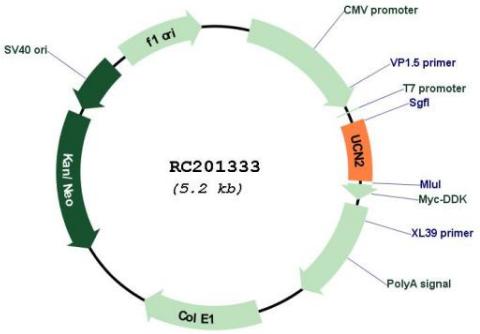
Cytogenetics: 3p21.31

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

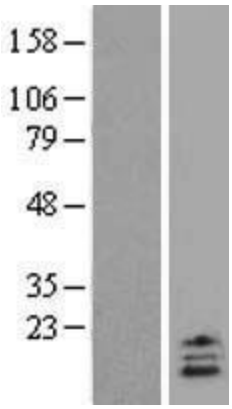
MW: 12.1 kDa

Gene Summary: This gene is a member of the sauvagine/corticotropin-releasing factor/urotensin I family. It is structurally related to the corticotropin-releasing factor (CRF) gene and the encoded product is an endogenous ligand for CRF type 2 receptors. In the brain it may be responsible for the effects of stress on appetite. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin II. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201333



Western blot validation of overexpression lysate (Cat# [LY403237]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201333 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).