

## Product datasheet for **RG222576**

### Urocortin (UCN) (NM\_003353) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Urocortin (UCN) (NM\_003353) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** UCN  
**Synonyms:** UI; UROC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG222576 representing NM\_003353  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCAGGCGGGACGCGCAGCGCTGCTGGCCGCGCTGCTCCTGGTACAGCTGTGCCCTGGGAGCA  
 GCCAGAGGAGCCCCGAGGCGGCCGGGTCCAGGACCCGAGTCTGCGCTGGAGCCCCGGGGCACGGAACCA  
 GGGTGGCGGGCCCGCGCTCCTCTTGTCTGCTGGCGGAGCGCTTCCCGCGCCGCGGGGCCCGCGCA  
 TTGGGACTCGGGACGGCAGGCGAGCGGCCGCGGGGACAACCCCTCTGTCCATTGACCTCACCTTTC  
 ACCTGCTGCGGACCCTGCTGGAGCTGGCGGACGAGCCAGCGGGAGCGCGCCGAGCAGAACC GCAT  
 CATATTCGACTCGGTGGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222576 representing NM\_003353  
 Red=Cloning site Green=Tags(s)  
 MRQAGRAALLAALLLVQLCPGSSQRSPEAAGVQDPSLRWSPGARNQGGGARALLLLAERFPRRAGPGR  
 LGLGTAGERPRRDNP SL SIDLTFHLLRTLLELARTQSRERAEQNRIIFDSV GK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

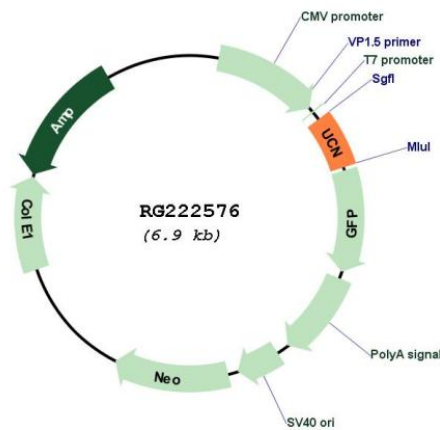


[View online »](#)

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_003353

**ORF Size:**

372 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003353.4</a>
<b>RefSeq Size:</b>	615 bp
<b>RefSeq ORF:</b>	375 bp
<b>Locus ID:</b>	7349
<b>UniProt ID:</b>	<a href="#">P55089</a>
<b>Cytogenetics:</b>	2p23.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	This gene encodes a member of the sauvagine/corticotropin-releasing factor/urotensin I family. The encoded preproprotein is proteolytically processed to generate the mature peptide, an endogenous ligand for both corticotropin-releasing factor receptor 1 and corticotropin-releasing factor receptor 2. In the brain this peptide may be responsible for the effects of stress on appetite. This peptide may also play a role in mood disorders, neurodegeneration, and skeletal system disorders. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin-2. [provided by RefSeq, Feb 2016]