

## Product datasheet for **MG221871**

### Ucn (NM\_021290) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ucn (NM\_021290) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ucn  
**Synonyms:** Mpv17; Ucn1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG221871 representing NM\_021290  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATACAGAGGGGACGCGCTACGCTCCTGGTGGCGTTGCTGCTCTTGGCACAGCTTCGCCCGGAGAGCA  
 GCCAGTGGAGCCCAGCGGCTGCGGCGGCAACTGGGTCCAGGATCCGAATCTGCGATGGAGCCCTGGAGT  
 GCGGAATCAGGGCGGCGGCTCCGCGCTCCTTTGCTGTTAGCGGAGCGTTCGCCGCGCGCAGGA  
 TCTGAGCCTGCGGCGGAGCGGCAGCGACGGACACCCTCCACTGTCCATCGACCTCACCTCCACCTGC  
 TCGCGACCTGCTGGAGCTAGCTCGGACACAGAGCCAGCGGAGCGCGCAGAGCAGAACCGCATCATATT  
 CGATTCGGTGGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG221871 representing NM\_021290  
 Red=Cloning site Green=Tags(s)  
 MIQRGRATLLVALLLLAQLRPESQWSPAAAAATGVQDPNLRWSPGVRNQGGVRRALLLLAERFPRRAG  
 SEPAGERQRRDDPPLSIDLTFHLLRTLLELARTQSRERAEQNRIIFDSVGK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

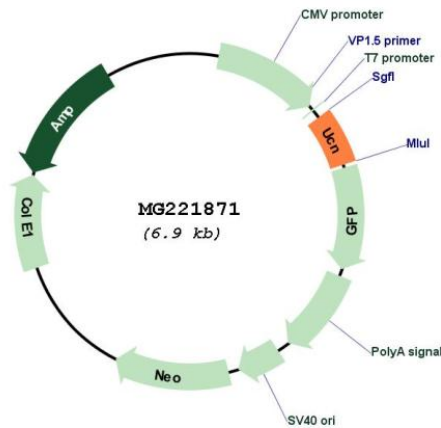


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Cloning Scheme:



Plasmid Map:



ACCN:

NM\_021290

ORF Size:

366 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_021290.2</a> , <a href="#">NP_067265.1</a>
<b>RefSeq Size:</b>	644 bp
<b>RefSeq ORF:</b>	369 bp
<b>Locus ID:</b>	22226
<b>UniProt ID:</b>	<a href="#">P81615</a>
<b>Cytogenetics:</b>	5 17.11 cM
<b>Gene Summary:</b>	This gene encodes a member of the corticotropin-releasing hormone peptide family that participates in coordinating autonomic, endocrine, and behavioral responses to stress. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional hormone. Mice lacking the encoded protein exhibit a heightened anxiety-like behaviors and a significantly reduced acoustic startle response. [provided by RefSeq, Sep 2016]