

Product datasheet for **SC303296**

Urocortin (UCN) (NM_003353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Urocortin (UCN) (NM_003353) Human Untagged Clone
Tag:	Tag Free
Symbol:	Urocortin
Synonyms:	UI; UROC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-Entry</u>
E. coli Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003353, the custom clone sequence may differ by one or more nucleotides ATGAGGCAGGCGGGACGCGCAGCGCTGCTGGCCGCGCTGCTCCTGGTACAGCTGTGC CCTGGGAGCAGCCAGAGGAGCCCGAGGCGGCCGGGTCCAGGACCCGAGTCTGCGCTGG AGCCCCGGGGCACGGAACCGAGGTGGCGGGGCCGCGCCTCTCTTGTGCTGGCGGAG CGCTTCCCGCGCGCGCGGGGCCGCGGATTGGGACTCGGGACGGCAGGCGAGCGGCCG CGGCGGGACAACCCTTCTGTCCATTGACCTCACCTTTCACCTGCTGCGGACCTGCTG GAGCTGGCGGGACGCGAGAGCCAGCGGGAGCGCGCCGAGCAGAACCGCATCATATTCGAC TCGGTGGGCAAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_003353
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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_003353.2](#), [NP_003344.1](#)

RefSeq Size: 615 bp

RefSeq ORF: 375 bp

Locus ID: 7349

UniProt ID: [P55089](#)

Cytogenetics: 2p23.3

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: 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]