

Product datasheet for MC212434

Ucn2 (NM_145077) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ucn2 (NM_145077) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ucn2
Synonyms:	Ucn-; Ucn-2; ucn-II; Ucn II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212434 representing NM_145077 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATGACCAGGTGGGCACTGGTGGTGTTCGTGGTCCTGATGTTGGATAGGATCCTATTTGTCCCAGGAA
 CTCCTATCCCCACCTTCCAGCTCCTCCCTCAGAACTCTCTGGAGACAACCTAGCTCTGTGACCTCAGA
 GAGCTCCTCAGGTACCACCACAGGACCCTCAGCTTCTGGAGCAACTCTAAAGCCAGCCCTTACCTAGAC
 ACCCGTGTCACTCTCCCTGGATGTTCCATTGGCCTCTACGGATCTTACTGGAACAGGCTCGTTACA
 AGGCTGCCAGGAATCAGGCTGCCACTAATGCTCAAATACTAGCCCATGTTGGCCGCCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_145077
Insert Size:	342 bp

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).

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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_145077.1</u> , <u>NP_659543.1</u>
RefSeq Size:	1002 bp
RefSeq ORF:	342 bp
Locus ID:	171530
UniProt ID:	<u>Q99ML8</u>
Cytogenetics:	9 F2
Gene Summary:	<p>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 increased insulin sensitivity and were protected against fat-induced insulin resistance. In addition, female mice lacking the encoded protein exhibit a significant increase in the basal daily rhythms of adrenocorticotrophic hormone and corticosterone, and a significant decrease in fluid intake and depressive-like behavior. [provided by RefSeq, Sep 2016]</p>