

Product datasheet for **MC205697**

Ucp2 (NM_011671) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ucp2 (NM_011671) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ucp2
Synonyms: Slc25a8; UCP 2; UCPH
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC012967

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CCACGCGTCCGCACAATAGTATGAACTTTAAGTGTTCGTCTCCCAGCCATTTTCTATGGAAAAATCGAGG
GGATCGGGCCATGGTAGCCACCGGCAGCTTTGAAGAACGAGACACCTTTAGAGAAGCTTGACCTTGAGG
CCTCAGCCTGAGACCTCAAAGCAGCCTCCAGAACTCCGGCAGAGTTCTCTGTCTCGTCTTGCCGATTGA
AGGTCCCCGTTTTCTCAATTTCTCTCCATCTTCTGGGAGGTAGCAGGAAATCAGAATCATGGTTGGTTTC
AAGGCCACAGATGCCCCAACAGCCACTGTGAAGTTCTGGGGCTGGGACAGCTGCCTGCATTGCAG
ATCTCATCACTTTCCCTCTGGATACCGCAAGGTCCGGCTGCAGATCCAAGGGGAGAGTCAAGGGCTAGT
GCGCACCCGAGCCAGCGCCAGTACCGTGGCGTTCTGGGTACCATCCTAACCATGGTGGCAGTGGGGT
CCACGCAGCCTCTACAATGGGCTGGTCCGGCCTGCAGCGCCAGATGAGCTTTGCCTCCGTCGCGATTG
GCCTCTACGACTCTGTCAAACAGTTCTACACCAAGGGCTCAGAGCATGCAGGCATCGGGAGCCGCTCCT
GGCAGGTAGCACACAGGTGCCCTGGCCGTGGCTGTAGCCAGCCTACAGATGTGGTAAAGTCCGCTTC
CAGGCTCAGGCCCGGGCTGGTGGTGGTCCGAGATACCAGAGCACTGTGCAAGCCTACAAGACCATTGCAC
GAGAGGAAGGGATCCGGGGCCTCTGAAAAGGGACTTCTCCAATGTTGCCGTAATGCCATTGTCAACTG
TGCTGAGCTGGTGACCTATGACCTCATAAAGATACTCTCCTGAAAGCCAACCTCATGACAGATGACCTC
CCTTGCCACTTCACTTCTGCCTTCGGGGCCGGCTTCTGCACCACCGTCATCGCCTCCCCTGTTGATGTGG
TCAAGACGAGATACATGAACTCTGCCTTGGGCCAGTACCACAGCGCAGGTCACTGTGCCCTTACCATGCT
CCGGAAGGAGGGACCCCGCCCTTCTACAAGGGGTTTATGCCTTCTTTCTCCGCTTGGGATCCTGGAAC
GTAGTGATGTTTGTACCTATGAGCAGCTCAAAGAGCCCTAATGGCTGCCTACCAATCTCGGGAGGCAC
CTTCTGAGCCTCTCCATGCTGACCTGGACCCTGCTTCCAGCCCTGCCCTGTCTTTTCTCATCCTCT
GCCAGTCCCATTCTTCCCATTCTCCTGCACCCGATTTACTTCCCACCTCACCTCCCTGTGCCTCTGT
ACTGATGACTCACAGTGAGGAGGCTGACACCAGACCCTGAGCCCTCAGCCCTTCTACAGCTAAGCCCA
CATCTTTCATCTTCCAGCCAGCCAGCCAGCTCAGCCAGCCTTACCCATAAAGCAAGCTCAAT
GTAAAAA
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Restriction Sites: RsrII-NotI
ACCN: NM_011671



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Insert Size:	930 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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.
RefSeq:	BC012967 , AAH12967
RefSeq Size:	1488 bp
RefSeq ORF:	930 bp
Locus ID:	22228
UniProt ID:	P70406
Cytogenetics:	7 54.36 cM
Gene Summary:	UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat (By similarity).[UniProtKB/Swiss-Prot Function]