

## Product datasheet for **MC209616**

### Ucp3 (NM\_009464) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ucp3 (NM_009464) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ucp3
Synonyms:	A1645527; Slc25a9; UCP-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_009464, the custom clone sequence may differ by one or more nucleotides

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ATGGTTGGACTTCAGCCCTCCGAAGTGCCTCCCACAACGGTTGTGAAGTTCTGGGGGCCGGCACTGCGG  
CCTGTTTTGCGGACCTCCTCACTTTTCCCCTGGACACCGCCAAGGTCCGTCTGCAGATCCAAGGGGAGAA  
CCCAGGGGCTCAGAGCGTGCAGTACCGCGGTGTGCTGGGTACCATCCTGACTATGGTGCCACAGAGGGT  
CCCCGAGCCCTACAGCGGACTGGTGGCTGCACCGCCAGATGAGTTTTGCCTCCATTGGAATTG  
GCCTCTACGACTCTGTCAAGCAGTTCTACACCCCAAGGGAGCGGACCACTCCAGCGTCGCCATCAGGAT  
TCTGGCAGGCTGCACGACAGGAGCCATGGCAGTGACCTGCGCCCAGCCACGGATGTGGTGAAGTCCGA  
TTTCAAGCCATGATACGCTGGGAAGTGGAGGAGAGAGAAATACAGAGGGACTATGGATGCCTACAGAA  
CCATCGCCAGGGAGGAAGGAGTCAGGGGCTGTGGAAAGGGACTTGGCCCAACATCACAAGAAATGCCAT  
TGCAACTGTGCTGAGATGGTGACCTACGACATCATCAAGGAGAAGTTGCTGGAGTCTCACTGTTTACT  
GACAACTCCCCTGTCACTTTGTCTCTGCCTTTGGAGCTGGCTTCTGTGCCACAGTGGTGGCCTCCCCGG  
TGGATGTGGTAAAGACCCGATACATGAACGCTCCCCTAGGCAGGTACCGCAGCCCTCTGCACTGTATGCT  
GAAGATGGTGGCTCAGGAGGGACCCACGGCCTTCTACAAAGGATTTGTGCCCTCCTTTCTGCGTCTGGGA  
GCTTGGAACTGATGATGTTTGTAAATATGAGCAACTGAAGAGGGCCTTAATGAAAGTCCAGGTAAGTGC  
GGGAATCTCCGTTTTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_009464
Insert Size:	927 bp



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<b>OTI Disclaimer:</b>	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).
<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="#">BC139430</a> , <a href="#">AAI39431</a>
<b>RefSeq Size:</b>	2047 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	22229
<b>UniProt ID:</b>	<a href="#">P56501</a>
<b>Cytogenetics:</b>	7 54.36 cM
<b>Gene Summary:</b>	UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation. As a result, energy is dissipated in the form of heat. May play a role in the modulation of tissue respiratory control. Participates in thermogenesis and energy balance (By similarity).[UniProtKB/Swiss-Prot Function]