

Product datasheet for **SC216223**

UCP4 (SLC25A27) (NM_004277) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	UCP4 (SLC25A27) (NM_004277) Human 3' UTR Clone
Symbol:	UCP4
Synonyms:	UCP4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004277
Insert Size:	1766 bp



[View online »](#)

Insert Sequence: >SC216223 3'UTR clone of NM_004277
 The sequence shown below is from the reference sequence of NM_004277. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAGAGATGAGTGGAGTCACTCCATTTAAACCCCTAAAGATGCAACCCTTAAAGATACAGTGTTCAGT
ATTATTGAAATATGGGCATCTGCAACACATACCCCTATTATTTCTACCTCTTTAGGAAGACACCTATT
CCACAGAGACTGATTTATAGGGGCGAGCACTTTATTTTTTCTGGAAACCCAAGTCTCTTTGACTCCT
CTTTTTGTCCAAAAGTGATCTGGTCCGATCTCACAAGGCCATCCAATGAGACCCCGCACAGCATTCTT
AAAGAAGAATCGAAGCCTGACCACTTTACCTTGGCAAGAAGGTTTGGCCTTTGAGTTGCTATTCTAT
GCTGAAGAGCCTGCTTAGAGGAGGAGTACCAGGAGGGAGCCAGCATTTCAGATCTGAAGTAGACGATAG
GAATGTGGAAGAACACATACATAGTGCTTAAGAAATACATTTAACCTGTTATGTCAGTATTTATCAATG
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AAAAAATCAAGTTGAGATGATGTTTGAATTTCAAGAAAAGAGGCTGCTTTCTGTGAGTCCCTCTCA
TTAGATCTGTGTTAATTAGTTAGCACTCCACTGCACATGCTAATGACTTCCTCTGACAGCCACACCCG
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GCTCTCAAGAGTTGTAATATATTAAGAATACTAATTTTATTGATTAAGTCAAGTCAAGTCAAGTCAAG
TATAAAGCACCTTTTGTAAACATCAGCCTTTTATTGGTATTTTAAAGCAAGGCAGATAGATATGAAG
TCAGCCAATCTGACATGCGTCTTTCTTATCTCCCTTACCTGACACTAGGGGCTCTAGAGAGCCAGAG
AGAGCACTCACAATCACACTAAAACGCCAGCGGCTGACTCTTACTCAGTTTAGCAAAAATCTTGC
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CAGAGAATGTGAAGTTAATCTCTTAAAATATTTAGATGGTCTACTTTTTTATTGAAATTTGTCAATATG
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TGTCTGCAATGAACCACTTAGGAAAAATTTGTTTGTGTTTTATGTTTTGTAATTTTAAAATTAAGTA
AAGACTGGATCAAATAATTGCATCCAACCTGGACCGTGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004277.5](#)

Summary:

Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H⁺/OH⁻ are not known. UCPs contain the three homologous protein domains of MACPs. Transcripts of this gene are only detected in brain tissue and are specifically modulated by various environmental conditions. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Feb 2011]

Locus ID:

9481

MW:

68.4