

Product datasheet for **SC335347**

SLC25A14 (NM_001282195) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC25A14
Synonyms:	BMCP1; UCP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335347 representing NM_001282195. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTATCTTTCCCGAATAATCCTAATTTTCTAAGGGTGAAGTTTGAACGGCGGCCGTGATTGTA
AGCGGACACCAGAAAAGTACCACTGTAAGTCATGAGATGTCCTGGTCTGAATTGGAAACCTTTGTATAT
GGCGGCCCTTGCTCTATCGTGGCTGAGTTTGGGACTTTCCCTGTGGACCTTACCAAAACACGACTTCAG
GTTCAAGGCCAAAGCATTGATGCCCGTTTCAAAGAGATAAAATATAGAGGGATGTTCCATGCGCTGTTT
CGCATCTGTAAGAGGAAGGTGATTGGCTCTCTATTCAAGGAATTGCTCCTGCGTTGCTAAGACAAGCA
TCATATGGCACCATTAAATTTGGGATTTACCAAAGCTTGAAGCGCTTATTCGTAGAACGTTTGAAGAT
GAAACTCTTTTAATTAATATGATCTGTGGGTAGTGTCAAGGAGTATCTTCCACTATAGCCAATCCC
ACCGATGTTCTAAAGATTCGAATGCAGGCTCAAGGAAGCTTGTCCAAGGGAGCATGATTGGAAGCTTT
ATCGATATATACCAACAAGAAGGCACCGGGTCTGTGGAGGGTGTGGTTCCAAGTCTCAGCGTGCT
GCCATCGTTGTAGGAGTAGAGCTACCACTATGATATTACTAAGAAGCATTAAATATTGTCAAGGAATG
ATGGGCGATACAATTTTAACTCACTTCGTTTCCAGCTTTACATGTGGTTTGGCTGGGGCTCTGGCCTCC
AACCCGTTGATGTGGTTCGAATCGCATGATGAACGAGGGCAATCGTGGGACATGTGGATCTCTAT
AAGGGCACTGTTGATGTTTAAAGATGTGGAACATGAGGGCTTTTGCACCTATAAAGGATTT
TGCCAAACTGGCTTCGGCTTGACCCTGGAACATCATTTTTTTTATTACATACGAGCAGCTAAAGAGG
CTTCAATCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001282195



Insert Size:	978 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001282195.1
RefSeq Size:	1656 bp
RefSeq ORF:	978 bp
Locus ID:	9016
UniProt ID:	O95258
Cytogenetics:	Xq26.1
Protein Families:	Druggable Genome
MW:	36.2 kDa
Gene Summary:	Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). Uncoupling proteins separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. Uncoupling proteins 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. This gene is widely expressed in many tissues with the greatest abundance in brain and testis. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on chromosome 4. [provided by RefSeq, Aug 2013] Transcript Variant: This variant (1, also known as UCP5L or long) encodes isoform 1.