

Product datasheet for **SC335124**

SLC25A14 (NM_001282198) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC25A14 (NM_001282198) Human Untagged Clone |
| 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: | >NCBI ORF sequence for NM_001282198, the custom clone sequence may differ by one or more nucleotides |

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ATGTCTGGTCTGAATTGAAACCCCTTTGTATATGGCGGCCTTGCCTCTATCGTGGCTGAGTTGGGACTT
TCCCTGTGGACCTTACCAAAACACGACTTCAGGTTCAAGGCCAAAGCATTGATGCCCGTTTCAAAGAGAT
AAAATATAGAGGGATGTTCCATGCGCTGTTTCGCATCTGTAAAGAGGAAGGTGATTGGCTCTCTATTCA
GGAATTGCTCCTGCGTTGCTAAGACAAGCATCATATGGCACCATTAAAATTGGGATTTACCAAAGCTTGA
AGCGCTTATTCGTAGAACGTTTAGAAGATGAAACTCTTTAATTAATATGATCTGTGGGGTAGTGCAGG
AGTGATATCTTCCACTATAGCCAATCCCACCGATGTTCTAAAGATTGCAATGCAGGCTCAAGGAAGCTTG
TTCCAAGGGAGCATGATTGGAAGCTTTATCGATATATACCAACAAGAAGGCACCAGGGTCTGTGGAGGG
GTGTGGTTCCAACCTGCTCAGCGTGTCCATCGTTGTAGGAGTAGAGCTACCAGTCTATGATATTACTAA
GAAGCATTTAATATTGTCAGGAATGATGGGCGATACAATTTAACTCACTTCGTTTCCAGCTTTACATGT
GGTTTGGCTGGGGCTCTGGCCTCCAACCCGGTTGATGTGGTTCGAACTCGCATGATGAACCAGAGGGCAA
TCGTGGGACATGTGGATCTATAAGGGCACTGTTGATGGTATTTAAAGATGTGGAAACATGAGGGCTT
TTTTGCACTCTATAAAGGATTTGGCCAACTGGCTTCGGCTTGGACCCTGGAACATCATTTTTTTTATT
ACATACGAGCAGCTAAAGAGGCTTCAAATCTAA
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001282198 |
| 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). |



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| 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: | <u>NM_001282198.1, NP_001269127.1</u> |
| RefSeq Size: | 1409 bp |
| RefSeq ORF: | 873 bp |
| Locus ID: | 9016 |
| UniProt ID: | <u>O95258</u> |
| Cytogenetics: | Xq26.1 |
| Protein Families: | Druggable Genome |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (4) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1.</p> |