

## Product datasheet for **MC209415**

### Slc25a14 (NM\_011398) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc25a14 (NM\_011398) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc25a14  
**Synonyms:** BMCP1; UCP5; UCP5L; UCP5S  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209415 representing NM\_011398  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGTATCTTTCCCGAATAATCCTAATTTTTCTAAGGGTGAAGTTTGAACGGCGGCAGTGATTCATC  
AGAAAAGTTCCACTTTAAGCCATGAGATGTCTGGTCTGAACTGAAACCTTTTGTGTATGGCGCCCTTGC  
CTCTATTGTTGCCGAGTTCGGCACTTTCCCTGTGGATCTTACTAAAACACGGCTGCAAGTCCAAGGCCAG  
AGTATCGATGTTCTGTTCAAAGAAATAAATATAGAGGGATGTTTCATGCCTTGTCCGAATCTATAAAG  
AAGAAGGGATCTTGGCTCTGTATTTCAGGAATTGCCCTGCGTTACTAAGACAGGCATCATATGGACCAT  
CAAAATTTGGTATTTATCAAAGCTTGAAGCGATTATTTGTAGAAGCTTTGGAAGATGAGACTCTCCTAATT  
AACATGATCTGTGGGTAGTGTGAGGAGTATTTCCTCTACTATTGCCAATCCCCTGATGTTCTAAAGA  
TTCGAATGCAGGCTCAAGGAAGTTTGTCCAAGGGAGCATGATTGGCAGCTTCATTGACATATACCAGCA  
AGAAGGTACCAGGGTCTGTGGAGGGTGTGGTCCCACTGCTCAGCGTGTGCAATCGTTGTGGGAGTA  
GAGCTGCCGTTTATGATATTACCAAGAAGCACCTGATAGTTTCAGGAATGCTGGGAGACACAATTTTAA  
CACACTTTGTTCCAGTTTCACCTGTGGTTTGGCTGGGCTCTGGCATCTAACCTGTGGATGTGGTGAG  
AACTCGAATGATGAATCAGAGGGCAATAGTGGGACATGTGGACCTCTACAAGGGTACTTTGGATGGTATT  
TTAAAGATGTGGAAGCATGAGGGATTTTTTGCCTCTATAAAGGATTTTGGCCAACTGGCTTCGACTTG  
GACCTGGAACATCATTTTTTTTATTACCTATGAGCAGCTCAAGAGGCTTCAGATCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011398  
**Insert Size:** 969 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="#">NM_011398.3</a> , <a href="#">NP_035528.1</a>
<b>RefSeq Size:</b>	1764 bp
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	20523
<b>UniProt ID:</b>	<a href="#">Q9Z2B2</a>
<b>Cytogenetics:</b>	X 25.69 cM
<b>Gene Summary:</b>	Participates in the mitochondrial proton leak measured in brain mitochondria. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.