

Product datasheet for **MC216368**

Slc16a5 (NM_001080934) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a5 (NM_001080934) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a5
Synonyms:	A130015N09Rik; MCT 5; MCT5; MCT 6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216368 representing NM_001080934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCCCCGGCCCTGGAACAAGCAGATGGCAGATGGGCCTGGGTGGTCTCTCTATCTCCCTGGTGACGC
 AGGCCCTCACCTGGGCTTCCCCACCTGCATCGGTGTCTTCTCACTGATCTGCAGCGGACTTTCAGGC
 CAGCAACAGTGAGACCTCGTGGTTTCTTCCATCTGGGAGCCATGGTCCACGGTGGGGGACCCCTGTGC
 AGCATCTTGGTCAAACATTTTCGGCTGCCGAGTGACCATGATGCTGGGGGTGTGTGGCCAGCCTGGGCA
 TGGTAGTCAGCACCTTCTGGCTCGCTCACCCACCTTCTCTACCGCAGGAGTGATCACAGGCCTGGG
 CATGTGTTTCAGTTCAGTCGAGCATCACGGTAGTGGGCTTGATTTTGTCCGCCGGCGCCGCTAGCC
 AATGCACTGGCCTCCATGGGACTCTCATGGGCGTCACCTCTGGCCACTGCTGGCCGATATCTTCTGG
 AAACCCTGGGCTGGAGGGGGCGCTTCTCATCTTCGGTGGCATCTTACTCCACTGTTGTGTATGTGGAGC
 CTTGCTGAGGCCTGTTGCCACCAACGAGGTCCCCGAGCCAAAGAGGATCCCCTTCTACCTCCCAAGATA
 CCTACACGCAGCTGCCTGGCAACATGTGTCTCAACCATTCGGTACCACCTGGCCTTTGACATCCTTCGGC
 ACAATATGGGCTTCTGCATATACGTACGGGCGTGACGTGGATGAACCTGGGTTTTGCACTGCCACATAT
 CTTCTAGTGCCGTACGCTATGCATCATGGGTGGACGACTATTGGGCAGCCATGCTCATGTCCATTGTT
 GGCTTCTGCAACATCTTCTTACGGCCAATGGCAGGGCTGCTGCTGGCAGGCAGGAAGAGCTTGGCTGCCT
 ACCGGAAGTACCTGTTTGTGTGGCGATCCTCATCAACGGGCTCACCAATCTAATATGCACGGTGTGAGC
 CGACTTCCGGGTGCTCCTGGGCTATTGCCTGGTGACAGCCTGTCCATGTGTGGAGTTGGGATCCTCGTC
 TTCCAGGTTCTAATGGACATTGTCCGATGGATCGGTTCCCCAGCGCCCTGGGCTTCTCACCATCCTGT
 GTGGCGTGACTTCTCATCTCTCCACCATTGGCTGGATTGCTGCTGGACAAGACCAACCACTTCAGCTA
 CGTTTTCTATATGTCGAGTGGCTTCTCTCGTCTCAGGCTCTCTTATCCTGGGTGTGGGCTTCTACGCCGCA
 GAGAAGAAGAAGCTGAAGCAAGATGGGCAAGCCAAAATGGAGAACGCTACCTCAGAGATGACCCCAATGC
 ACGATCTCACCTCAGAAGACAAGGACAGTGCCAAGAAGCAACCGTACCCTGAAAGCATCTATATGACCAA
 TGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001080934
- Insert Size:** 1407 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:	<u>NM_001080934.1, NP_001074403.1</u>
RefSeq Size:	3020 bp
RefSeq ORF:	1407 bp
Locus ID:	217316
UniProt ID:	<u>G5E8K6</u>
Cytogenetics:	11 E2
Gene Summary:	Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.