

Product datasheet for **MC218011**

Slc16a4 (BC025441) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a4 (BC025441) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a4
Synonyms:	MGC37305
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC025441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTGAAGAAGGAAAAACGCCCTCCCCTTACACCAAAACCCTTGATGGAGGATGGGGGTGGATGGTCTG
 TGCTTCATTTTTCTGGTAAATGTGTTGTGATGGGAATGACCAAGACATTTGCAATTTCTTTGTGGT
 TTTCAAGAAGAGTTTGAAGGCATTTCAGAGCAAATTGTTGGATTGGATCCATTATGTCATCACTCCGT
 TTCTCTGCAGGTCCCCTGGCTGCTATCATCTGTGACGTACTTGGAGAGAAAGCTACCTCCATTCTTGGGA
 CGTTCTTGTCTCTGGTGGCTATGTCATCAGCAGCTGGGCCACAGGCATTCCCTTTCTTTGTGTGACCAT
 GGGGCTGTACCTGGTTTGGGATCTGCTTTCTGTACCAAGTAGCTGCTGTGTAATTACCAATATTTT
 AAAAAACGATTGGGCCTTTCTACAGCAATTGCCGTTCTGGAATGGGGCTGACATTTTGTGGCACCTT
 TTACAAAATTCCTCATAGATCTTTATGACTGGACAGGCGCTCTTATTTTATTTGGAGCAATTATATTGAA
 CTTGGTGCCTTCAGCATGCTCTTAAGACCCATCCACAGCCAATCAAACAACAATTCTGACATTGAAAAC
 AAAGGTAGCATTTTGTCTGCAACTGAACCAGAGGCATCATACAAGACAGAGACATCGAAGTGCAAGGAGA
 CACAGGAGCCTTTTCATCAAGACAGTACTATGAAGAAATCTGAACAACCTACCACAACCTTAACGTCTT
 AGGAAATCAAAGCGAAGAGTTTCAGCAATAGGCCTCACAGGAACAGGCCGTTACTTATGAGCAATGGCAAA
 AGTCACAAGAAAAAGTTTGTTCATGGAAGTCAAAACAAAACTTTTAGATATCTCGCTCTTTAGAAACC
 CTTTCTTCTACATTTTACCTGGTCTTTTCTCTGAGCCAATTAGCATATTTTATTCCCACTTTCCACCT
 AGTAGCCAGAGCAAAACACTTGGGATTGACGTAATGGATGCCTCCTACCTTGTGTCTGTAGCTGGTATC
 ACTGAGACAGTCAGTCAGCTCATTCTGGATGGATTGCTGATCAAAATTGGATCAAGAAGTATCAATACC
 ACAAGTCTTACCTCATTCTGTGTGGTGTGACTAACCTGCTTCTCTTTAGCCACCACATTCCCCTCTCT
 TATGGCCTATACCATCCTTTTTGCCATTTTGTGGTGGCTACCTGGCACTAATACTGCCAGTATTGGTT
 GACCTATCTAAGAATTCTAGAGTACACAAGTTTTTGGGATATGCCAGTTTCTTTGCCGGGATAGCTGTAC
 TTTCTGGACCACCAATAGCAGATGTAACCTCATGGGTGGACCACTTACCTAATGCACATGAAGCCCTTGAA
 AACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC025441

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.

RefSeq: BC025441, AAH25441

RefSeq Size: 1809 bp

RefSeq ORF: 1406 bp

Locus ID: 229699

Cytogenetics: 3 F2.3

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]