

## Product datasheet for **MR230071**

### **Slc16a3 (NM\_030696) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc16a3 (NM_030696) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc16a3
Synonyms:	Mct3; Mct4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230071 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGAGGGGCTGTGGTGGACGAGGGTCCCACCGCATCAAGGCCCCCGATGGGGCTGGGGCTGGGCCG  
 TCCTTTTGGCTGTTTTATCATACGGTTTCTCTACGCCTTCCCAAGGCGGTGAGCGCTTTTTCAA  
 GGAGCTTATGCATGAGTTGGGATTGGCTACAGCGACACGGCTTGGATCTCCTCCATCCTGCTGGCTATG  
 CTCTATGGCACAGGACCCTCTGCAGTGTGTGTGAACCGCTTTGGCTGCCGGCCTGTCATGCTTGTGG  
 GTGGCCTCTTTGCGTCCCTGGGAATGGTGGCTGCGTCTTCTGCAGAAGCATTATCCAGATCTACCTCAC  
 CACGGGGTCACTACTGGCTTGGTCTGGCTCTCAACTCCAGCCTTCCCTCATCATGCTCAATCGATAC  
 TTCAACAAGCGTCGCCCTATTGCCAATGGGTGGCAGCGGCAGGCAGCCAGTGTTCCTTTGTGCACTGT  
 CTCCTAGGGGCGAGTGTGCAGGATCACTATGGTTGGCGGGTGGCTTCTCATCTGGGGGGCCTACT  
 GCTCAACTGCTGTGTGTGTGCTGCGCTCATGAGCCGCTGGTGGCACCGCAGGTAGCGGGAGGACTGAG  
 CCCCGCGACCCAGCGGCCACCTCAACGCCTGTAGACCTGAGTGTCTCCGAGACCGCGCTTCTCTCA  
 TCTATGCCGTGGCCGCTCAATCATGGTGTGGGACTCTTTGTGCTCCGGTCTTTGTGGTGGAGTATGC  
 TAAGGATATGGGTGTACCCGACACAAAGGCCGCTTCTTCTCACCATCCTGGGCTTTCATCGACATCTTT  
 GCCAGGCCACGGCTGGTTTCATAACAGGCCTCAAGAAGTGGCGCCCTACTCTGTCTACCTCTTCAGCT  
 TTGCCATGTTCTTCAATGGCTTCACTGACCTGACAGGCTCCACAGCCACTGACTACGGTGGCCTGGTGGT  
 CTTTTGCATCTTCTTGGCATCTCATATGGCATGGTGGCGCACTACAGTTTGGGTGCTCATGGCTATC  
 GTGGGCACTCAGAAGTTCTCCAGTGCATTGGTCTCGTCTGCTGCTGGAGGCCGTGGCTGTGCTCATCG  
 GACCCCGTCAGGAGGCAAGCTGCTGGATGCAACCAAGTTTACAAGTATGTGTTATCCTGGCGGGGCC  
 CGAGGTGCTCACCTCCTCCTTGTGCTGCTGCTGGGCAACTTCTTCTGCATCGGGAAGAGGAAGAGGCC  
 GAGGTGACAGAGCCTGAGGAGGTGGCCTCAGAGGAGAAGCTCCACAAGCCCTGTGGACGTGGGAGTGG  
 ACTCGAGGAGGTGGAGCACTTCTGAAGGCAGAGCCTGAGAAAATGGGGAGGTGGTTCATACCCCGGA  
 AACGAGCGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230071 protein sequence  
 Red=Cloning site Green=Tags(s)

MGGAVVDEGPTGIKAPDGGWGWAVLFGCFIITGFSYAFPKAVSVFFKELMHEFGIGYSDTAWISSILLAM  
 LYGTGPLCSVCVNRFGCRPVMLVGGLFASLGMVAASFCSIIQIYLTTGVITGLGLALNFQPSLIMLNRY  
 FNKRRPIANGLAAGSPVFLCALSPGQLLQDHYGWRGGFLILGLLLNCCVCAALMRPLVAPQVGGGTE  
 PRGPQRPPQRLDLSVFRDRGFLIYAVAASIMVLGLFVPPVFVVSYAKDMGVPDTKAAFLITILGFIDIF  
 ARPTAGFITGLKKVRPYSVYLF SFAMFFNGFTDLTGSTATDYGGLVVF CIFFGISYGMV GALQFEVLM AI  
 VGTQKFSSAIGLVLLLEAVAVLIGPPSGGKLLDATKVYKYVVFILAGAEVLTSSLVLLLNFFCIGKRKRP  
 EVTEPEEVASEEKLHKPPVDVGVDSREVEHFLKAEPEKNGEVVHTPETS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

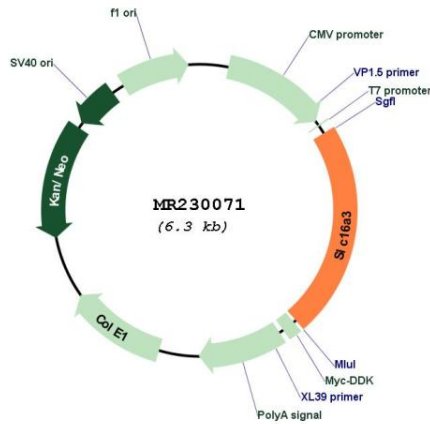


**Cytogenetics:** 11 E2

**MW:** 50.4 kDa

**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]

**Product images:**



Circular map for MR230071