

## Product datasheet for **MR219710**

### Slc2a6 (NM\_172659) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a6 (NM_172659) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc2a6
Synonyms:	A330096C23; F630103L12Rik; Glut6; Glut9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219710 representing NM\_172659  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGAACCCCTGCTAAGAACCAGGGACTCGACTATGATACCTCCCGAGGTGCCCGGACTCCTG  
 GAGAGAGAGAACGAGCCGGGCCTTAAAAACAGAAGGGTGTTCCTGGCTACCTTCGCCGTGTGCTGGG  
 CAATTTACAGTTTGGGTATGCCTTGGTCTACACATCTCCAGTCATCCCTGAACTGAAGCTCTCTTGAC  
 CCAGCACTACACCTGGACAAAATCCAGGCATCCTGGTTTGGTCCGTGTTACCTTGGTGCCGACGAG  
 GGGGCCTCAGTGTATGTTACTCAATGACCTCCTGGCCGGAAGCTCAGCATCATGTTCTCAGTGTCCC  
 CTCAGCCATTGGCTATGCAATCATGGCCGGTCCCGTGGCCTCTGGATGCTTCTGTTGGGAGGATGCTG  
 ACGGGCTTGGCCGGGACTCACTGCTGCCTGCATCCCGGTGTACGTGTCTGAGATTGCACCCCTGATG  
 TTCGTGGGGCCCTGGGGCCACACCGCAGCTCATGGCCGTGTTGGATCCCTGTCTCTACGCCCTTGG  
 TCTGCTGTACCTTGGCGATGGCTTGTGTGGTGGAGAGGGCCGGTTCATCATGATCCTGCTGCTC  
 AGCTTCATGCCAACTCTCCTCGCTTCTGCTCTCAAAGAGCCGGATGAGGAGGACTGCAGGCGCTGA  
 CCTGGCTGCGAGCTGACTCCGAGGTCCATTGGGAGTTTGGAGATCCAGGACAACGTGCCGAGACAGAG  
 TAGCCGAGTGTGCTGGCGGAAGCCCGGAACCCCGTGTACCGGCCTGTTCTCATTGCAGTACTGATG  
 CGCTTCTGCAGCAGTGCAGGCATCACCCATCCTGGTGTACCTACAGACCATCTTCGACAACACAT  
 CCGTGGTGTGCCCTCCCAGCAGGATGCAGCGATAGTTGGTGTGTGAGGCTCCTATCTGTGCTGATTGC  
 TGCTGTACCATGGACCTGGCGGGCCAAAAGTTCTGCTCTATGTGTGAGCATCCGTCATGTTTGTGCC  
 AACCTGACACTGGGGCTACGTCCAGTTTGTGCCAAGGCCTTGACCCCAACAGCAGCTGGAGATCG  
 TGACCTGGGGGACACAGCCTTCAACTATCTTACCCTGATACCCCTGCTGGCCACCATCTTTCATTAT  
 GGGCTATGCCATGGGCTGGGGTCCCATCACCTGGCTCCTCATGTCTGAGGTTCTGCCCTTGGCTGCCCGT  
 GGTGTGGCCTCAGGGCTCTGCGTGTGGTGTGAGGCTCACAGCCTTCGTCCTACTAACTACTTCTGCT  
 TGGCAGTGAATGCCTTCGGCCTCCAGGTGCCTTCTTCTTCTTCTCGGCCATCTGCCTGCTCAGTTGCT  
 CTTACAGGCTGCTGTGTGCTGAGACCAGGGCCGCTCGCTGGAGCAGATCGAGGCCTTCTCCACACT  
 CGCAGGATGCTCTCAGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219710 representing NM\_172659  
 Red=Cloning site Green=Tags(s)

MQEPLLRTEGLDYDTFPEVPATPGERERAGALKNRRVFLATFAAVLGNFSFGYALVYTPVPELKLSSD  
 PALHLDKIQASWFGSVFTLGAAGGLSAMPLNDLLGRKLSIMFSAVPSAIGYAIMAGARLWMLLLGRML  
 TGFAGGLTAACIPVYVSEIAPPDVRGALGATPQLMAVFGSLSLYALGLLLPWRWLAVAGEPVLIMILL  
 SFMPNSPRFLLSKSRDEEALQALTWLRADSEVHWEFEQIQDNVRRQSSRVSWAEAREPRVYRPVLI  
 RFLQQLTGITPILVYLQTFDNTSVVLPQQDAAIVGAVRLLSVLIAAVTMDLAGRKVLLYVSASVMFAA  
 NLTLGLYVQFVPRPLTPNSTVEIVTLGDTAFNYLTLIPLLATMLFIMGYAMGWGPITWLLMSEVLPLR  
 ARGVASGLCVLVSFLTAFVLTNYFLLAVNAFGLQVPFFFFSAICLLSLLFTGCCVPETRGRSLEQIEAFFHT  
 RRMSFRP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_e02.zip](https://cdn.origene.com/chromatograms/mm9016_e02.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_172659

ORF Size: 1491 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM\\_172659.2](#), [NP\\_766247.2](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1494 bp

Locus ID: 227659

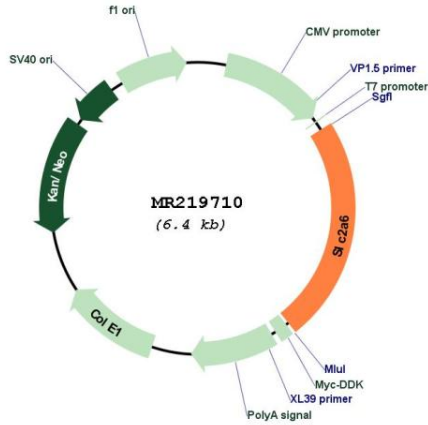
UniProt ID: [Q3UDF0](#)

Cytogenetics: 2 A3

MW: 54.9 kDa

Gene Summary: Probable sugar transporter that acts as a regulator of glycolysis in macrophages (PubMed:30431159). Does not transport glucose (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219710