

Product datasheet for **MG219711**

Slc2a6 (NM_001177627) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc2a6 (NM_001177627) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc2a6
Synonyms: A330096C23; F630103L12Rik; Glut6; Glut9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219711 representing NM_001177627
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGAACCCCTGCTAAGAACCAGGGACTCGACTATGATACCTTCCCCGAGGTGCCCGCGACTCCTG
GAGAGAGAGAACGAGCCGGGCCCTTAAAAACAGAAGGGTGTTCCTGGCTACCTTCGCCGTGTGCTGGG
CAATTTACAGTTTGGGTATGCCTTGGTCTACACATCTCCAGTCATCCCTGAAGTGAAGCTCTCTTCTGAC
CCAGCACTACACCTGGACAAAATCCAGGCATCCTGGTTTGGGTCCGTGTTACCTTGGGTGCCGAGCAG
GGGGCCTCAGTGCTATGTTACTCAATGACCTCCTGGGCCGAAGCTCAGCATCATGTTCTCAGCTGTCCC
CTCAGCCATTGGCTATGCAATCATGGCCGGTGCCCGTGGCCTCTGGATGCTTCTGTTGGGAGGATGCTG
ACGGGCTTTGCCGGGGACTCACTGCTGCATCCCGGTGTACGTGTCTGAGATTGCACCCCTGATG
TTCGTGGGGCCCTGGGGCCACACCCGAGCTCATGGCCGTGTTTGGATCCCTGTCTCTACGCCCTTGG
TCTGCTGTACCTTGGCGATGGCTTGTGTGGCTGGAGAGGGCCGGTCTCATCATGATCCTGTGCTC
AGCTTCATGCCAACTCTCCTCGCTTCTTGTCTCAAAGAGCCGGGATGAGGAGGCACTGCAGGCCGCTGA
CCTGGCTGCGAGCTGACTCCGAGGTCCATTGGGAGTTTGGAGAGTCCAGGACAACGTGCCGAGACAGAG
TAGCCGAGTGTGCTGGGCGGAAGCCCGGAACCCCGTGTGTACCGCCTGTTCTCATTGCAGTACTGATG
CGCTTTCTGCAGCAGCTGACAGGCATCACACCCATCCTGGTGTACCTACAGACCATCTTCGACAACACAT
CCGTGGTGTGCCCTCCAGCAGGATGCAGCGATAGTTGGTGTGTGAGGCTCCTATCTGTGCTGATTGC
TGCTGTACCATGGACCTGGCGGGCCGAAAAGTTCTGCTCTATGTGTGAGGCTATGCCATGGGCTGGGGT
CCCATCACCTGGCTCCTCATGTCTGAGGTTCTGCCCTTGGCTGCCCGTGGTGTGGCCTCAGGGCTGTGCG
TGCTGGTCACTGGCTCACAGCCTTCGTCCTCACTAACTACTTCTGCTGGCAGTGAATGCCTTCGGCCT
CCAGGTGCCTTTCTTCTTCTTCGCCATCTGCCTGCTCAGCTTGTCTTACAGGCTGCTGTGTGCTC
GAGACCAGGGCCGCTCGCTGGAGCAGATCGAGGCCTTCTCCACACTCGCAGGATGTCTTCAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219711 representing NM_001177627
Red=Cloning site Green=Tags(s)

MQEPLLRTGLDYDTFPEVPATPGERERAGALKNRRVFLATFAAVLGNFSFGYALVYTSPVPELKLSSD
 PALHLDKIQASWFGSVFTLGAAAGGLSAMLNDLLGRKLSIMFSAVPSAIGYAIMAGARGLWMLLLGRML
 TGFAGGLTAACIPVYVSEIAPPDVRGALGATPQLMAVFGSLSLYALGLLLPWRWLAVAGEPVLIMILL
 SFMPNSPRFLLSKSRDEEALQALTWLRADSEVHWEFEQIQDNVRRQSSRVSWAEAREPRVYRPVLIIVLM
 RFLQQLTGITPILVYLQTFDNTSVVLPQQDAIVGAVRLLSVLIAAVTMDLAGRKVLLYVSGYAMGWG
 PITWLLMSEVPLRARGVASGLCVLVSWLTAFLVLTNYFLLAVNAFGLQVPPFFFFSAICLLSLLFTGCCVP
 ETRGRSLEQIEAFFHTRRMSFRP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001177627

ORF Size: 1329 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_001177627.1](#), [NP_001171098.1](#)

RefSeq Size: 1993 bp

RefSeq ORF: 1332 bp

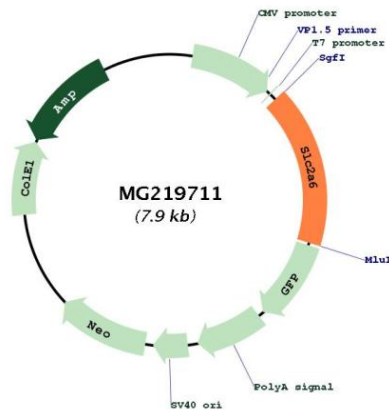
Locus ID: 227659

UniProt ID: [Q3UDF0](#)

Cytogenetics: 2 A3

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 MG219711