

## Product datasheet for **RC227402**

### **SLC2A6 (NM\_001145099) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC2A6 (NM_001145099) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC2A6
Synonyms:	GLUT6; GLUT9; HSA011372
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC227402 representing NM\_001145099  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGGAGCCGCTGCTGGGAGCCGAGGGCCCGACTACGACACCTTCCCGAGAAGCCGCCCCCGTCGC  
 CAGGGGACAGGGCGGGTCGGGACCCTGCAGAACAAAAGGGTGTTCCTGGCCACCTTCGCCGAGTGCT  
 CGGCAATTTAGCTTTGGGTATGCCCTGGTCTACACATCCCTGTCCAGCCCTGGAGCGCTCCTTG  
 GATCCTGACCTGCATCTGACAAATCCCAGGCATCCTGGTTTGGGTCCGTGTTACCCTGGGAGCAGCGG  
 CCGGAGGCTGAGTGCCATGATCCTCAACGACCTCCTGGGCCGGAAGCTGAGCATCATGTTCTCAGCTGT  
 GCCGTCCGCGGCCGGCTATGCGCTCATGGCGGTGCGCACGGCCTCTGGATGCTGCTGCTCGAAGGACG  
 CTGACGGGCTTCGCCGGGGGCTCACAGCTGCATCCGGGTACGTGTCTGAGATTGCTCCCCAG  
 GCGTTCGTGGGGCTCTGGGGCCACACCCAGCTCATGGCAGTGTTCGGATCCCTGTCCCTACGCCCT  
 TGGCCTCTGCTGCCGTGGCGTGGCTGGCTGTGGCCGGGAGGGCCTGTGCTCATCATGATCCTGCTG  
 CTAGCTTCATGCCAACTCGCCGCGCTTCTGCTCTCTCGGGGACGGGACGAAGAGGCCCTGCGGGCGC  
 TGGCCTGGCTGCGTGGGACGGACGTCGATGTCCACTGGGAGTTCGAGCAGATCCAGGACAACGTCGGAG  
 ACAGAGCAGCCGAGTATCGTGGGCTGAGGCACGGGCCACACGTTGCCGGCCCATCACCGTGGCCTTG  
 CTGATGCGCCTCCTGCAGCAGCTGACGGGCATCACGCCATCCTGGTCTACCTGCAGTCCATCTTCGACA  
 GCACCGCTGTCTGCTGCCCCCAAGGACGACGACGCCATCGTTGGGGCCGTGCCGCTCCTGTCCGTGCT  
 GATCGCCGCCCTACCATGGACCTCGCAGGCCGAAGGTGCTGCTCTTCGTCTCAGGCTACGCCGTGGGC  
 TGGGGTCCCATCACCTGGCTGCTCATGTCTGAGGTCTGCCCTCGCTGCCGTGGCGTGGCCTCAGGGC  
 TCTGCGTGTGGCCAGCTGGCTCACGCCCTTCGTCCTACCAAGTCTTCTGCCAGTGGTGAGCACCTT  
 CGGCCTCCAGGTGCCTTCTTCTTCTTCGCGCCATCTGCTTGGTGAGCCTGGTGTTCACAGGCTGCTGT  
 GTGCCCGAGACCAAGGGACGGTCCCTGGAGCAGATCGAGTCTTCTCCGCACGGGGAGAAGTCTTCT  
 TGCGC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC227402 representing NM\_001145099  
 Red=Cloning site Green=Tags(s)

MQEPLLGAEPDYDTFPEKPPSPGDRARVGLQNKRVFLATFAAVLGNFSFGYALVYVSPVIPALERSL  
 DPDLHLTKSQASWFGSVFTLGAAGGLSAMILNDLLGRKLSIMFSAVPSAAGYALMAGAHGLWMLLLGRT  
 LTGFAGGLTAACIPVYVSEIAPPGVIRGALGATPQLMAVFGSLSLYALGLLLPWRWLAVAGEAPVIMILL  
 LSFMPNSPRFLLSRGRDEEALRALAWLRTDQVHWEFEIQDNVRRQSSRVSWAERAPHVCRPITVAL  
 LMRLQLQLTGITPILVYLQSIQIFDSTAVLLPPKDDAAIVGAVRLLSVLIAALTMDLAGRKVLVFSYAVG  
 WGPITWLLMSEVLPLRARGVASGLCVLASWLTAFLVTKSFLPVVSTFGLQVPPFFFAAICLVSLVFTGCC  
 VPETKGRSLEQIESFFRTGRRSFLR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8060\\_e07.zip](https://cdn.origene.com/chromatograms/mk8060_e07.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001145099

ORF Size: 1335 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\\_001145099.2](#)

RefSeq ORF: 1338 bp

Locus ID: 11182

UniProt ID: [Q9UGQ3](#)

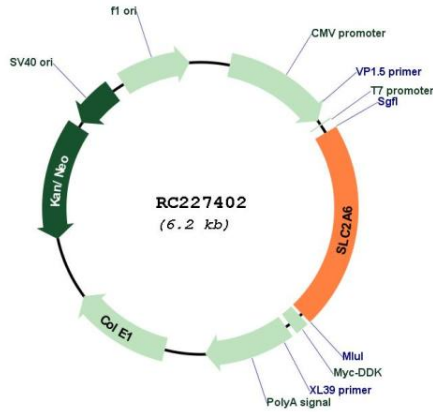
Cytogenetics: 9q34.2

Protein Families: Transmembrane

**MW:** 47.9 kDa

**Gene Summary:** Hexose transport into mammalian cells is catalyzed by a family of membrane proteins, including SLC2A6, that contain 12 transmembrane domains and a number of critical conserved residues.[supplied by OMIM, Jul 2002]

**Product images:**



Circular map for RC227402