

## Product datasheet for **RC217202**

### **SLC2A11 (NM\_001024939) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC2A11 (NM_001024939) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC2A11
Synonyms:	GLUT10; GLUT11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC217202 representing NM\_001024939  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCCACGCCCTCTGCGATCTAGAATGATTACAGGCAGGATCCTGCTCCTGACCATCTGCGCTGCCG  
 GCATTGGTGGGACTTTTCAGTTTGGCTATAACCTCTATCATCAATGCCCGACCTTGACATTCAGGA  
 ATTCACCAATGAGACATGGCAGGCGCTACTGGAGAGCCACTGCCCGATCACCTAGTCTCTTATGTGG  
 TCCCTCATCGTGTCTCTGTATCCCTGGGAGGCCCTTTGGAGCACTGCTTGCAGGTCCTTGCCATCA  
 CGCTGGGAAGGAAGAAGTCCCTCTGGTGAATAACATCTTTGGTGTGCAGCAGCAATCTGTTGGATT  
 CAGCCGAAAGCAGGCTCCTTTGAGATGATCATGCTGGGAAGACTGCTCGTGGGAGTCAATGCAGGTGTG  
 AGCATGAACATCCAGCCATGTACCTGGGGAGAGCGCCCTAAGGAGCTCCGAGGAGCTGTGCCATGA  
 GCTCAGCCATCTTACGGCTCTGGGATCGTGATGGGACAGGTGGTCCGACTCAGGGAGCTCCTAGTGG  
 CCCTCAGGCTGGCCCTGCTGCTGGCCAGCTGCCTGGTCCCGGGCGCTCCAGCTCGCCTCCCTGCCT  
 CTGCTCCCTGAAAGCCCGCTACCTCCTATTGACTGTGGAGACACCGAGGCTGCCTGGCAGCACTAC  
 GCGGCTCCGGGCTCCGGGACTTGGCAGGGAGCTGGAGGAGCTGGAGGAGGAGCGCGCTGCCTGCCA  
 GGGCTGCCGTGCCGGCGCCCATGGGAGCTGTTCCAGCATCGGGCCCTGAGGAGACAGGTGACAAGCCTC  
 GTGGTTCTGGGACAGTCCATGGAGCTCTGCGGGAATGACTCGGTGTACGCCTACGCCTCCTCCGTGTTCC  
 GGAAGGCAGGAGTGCCGGAAGCGAAGATCCAGTACGCGATCATCGGGACTGGGAGCTGCGAGCTGCTCAC  
 GGCGGTTGTTAGTTGTGTGTAATCGAGAGGGTGGTCCGCGCTGCTGCTCATCGGTGGGTACAGCCTG  
 ATGACCTGCTGGGGAGCATCTTCACTGTGGCCCTGTGCCTGCAGAGCTCCTTCCCTGGACATCTACC  
 TGGCCATGGCCTGCATCTTTCCTTTCATCTCAGCTTTGGCATTGGCCCTGCCGAGTGACGGGGATCC  
 GGCCACAGAGCTGTTGACCAGATGGCCAGGCTGTGCCTGCATGGTCTGCGGGGCGCTCATGTGGATC  
 ATGCTCATCTGTCGGCTGGGATTTCCCTTATCATGGAGGCTTGTCCCACTTCTCTATGTCCCTT  
 TCCTTGGTGTCTGTCTGTGGGCCATCTACACTGGCCTGTTCCCTCCTGAGACCAAAGCAAGACCTT  
 CCAAGAGATCTCAAGGAATTACACAGACTCAACTTCCCAGGCGGGCCAGGGCCACGTGGAGGAGC  
 CTGGAGGTTATCCAGTCAACAGAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC217202 representing NM\_001024939  
 Red=Cloning site Green=Tags(s)

MLHALLRSRMIQGRILLTICAAGIGGTFQFGYNLSIINAPTLHIQEFTNETWQARTGEPLPDHLVLLMW  
 SLIVSLYPLGGLFGALLAGPLAITLGRKKSLLVNNIFVVSAAILFGFSRKAGSFEMIMLGRLLVGVNAGV  
 SMNIQPMYLGESAPKELRGAVAMSSAIFTALGIVMGQVVGRLRELLGGPQAWPLLLASCLVPGALQLASLP  
 LLPESPRYLLIDCGDTEACLAALRRLRGSGLAGELEEELEERAACQGCRRARPWELFQHRALRRQVTSL  
 VVLGSAMELCGNDSVYAYASSVFRKAGVPEAKIQYAIIGTGSCELLTAVVSCVVIERVGRRVLLIGGYSL  
 MTCWGSIFTVALCLQSSFPWTLYLAMACIFAFILSFGIGPAGVTGILATELFDQMARPAACMVCALMWI  
 MLILVGLGFPFIMEALSHFLYVPFLGVCVCGAIYTGFLPETKGTQFQESKELHRLNFPRAQGPWTWRS  
 LEVIQSTEL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8063\\_f02.zip](https://cdn.origene.com/chromatograms/mk8063_f02.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001024939

ORF Size: 1497 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001024939.4](#)

RefSeq Size: 1590 bp

RefSeq ORF: 1500 bp

Locus ID: 66035

UniProt ID: [Q9BYW1](#)

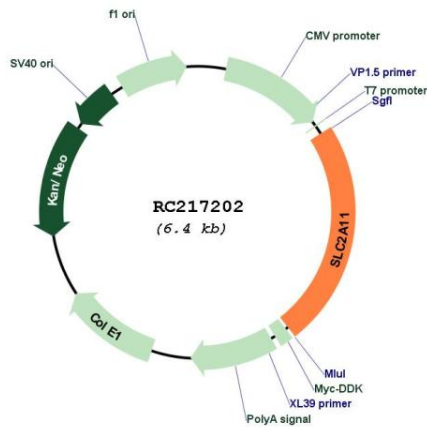
Cytogenetics: 22q11.23

Protein Families: Transmembrane

MW: 53.8 kDa

**Gene Summary:** This gene belongs to a family of proteins that mediate the transport of sugars across the cell membrane. The encoded protein transports glucose and fructose. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

**Product images:**



Circular map for RC217202