

Product datasheet for **RG217130**

SLC2A11 (NM_001024938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A11 (NM_001024938) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC2A11
Synonyms:	GLUT10; GLUT11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217130 representing NM_001024938
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAGCGCTCCGAAGACTGATTACAGGGCAGGATCCTGCTCCTGACCATCTGCGCTGCCGGCATTGGTG
 GGACTTTTCAGTTTGGCTATAACCTCTCTATCATCAATGCCCGACCTTGACATTCAGGAATTCACCAA
 TGAGACATGGCAGGCGCTACTGGAGAGCCACTGCCCGATCACCTAGTCCTGCTTATGTGGTCCCTCATC
 GTGTCTCTGTATCCCCTGGGAGGCCTCTTTGGAGCACTGCTTGCAGGTCCCTTGCCATCACGCTGGGAA
 GGAAGAAGTCCCTCCTGGTGAATAACATCTTTGTGGTGTGAGCAGCAATCCTGTTGGATTACAGCCGAA
 AGCAGGCTCCTTTGAGATGATCATGCTGGGAAGACTGCTCGTGGGAGTCAATGCAGGTGTGAGCATGAAC
 ATCCAGCCATGTACCTGGGGAGAGCGCCCTAAGGAGCTCCGAGGAGCTGTGGCCATGAGCTCAGCCA
 TCTTTACGGCTCTGGGGATCGTATGGGACAGGTGGTCCGACTCAGGGAGCTCCTAGGTGGCCCTCAGGC
 CTGGCCCTGCTGCTGGCCAGCTGCCTGGTGGCCGGGGCGCTCCAGCTCGCTCCCTGCCTCTGCTCCCT
 GAAAGCCCGCGCTACCTCCTATTGACTGTGGAGACACCGAGGCCTGCCTGGCAGCACTACGGCGGCTCC
 GGGGCTCCGGGGACTTGGCAGGGGAGCTGGAGGAGCTGGAGGAGGAGCGCGCTGCCTGCCAGGGCTGCCG
 TGCCCGCGGCCATGGGAGCTGTTCCAGCATCGGGCCCTGAGGAGACAGGTGACAAGCCTCGTGGTCTG
 GGCAGTGCCATGGAGCTCTGCGGGAATGACTCGGTGTACGCCTACGCCTCCTCCGTGTTCCGGAAGGCAG
 GAGTGCCGGAAGCGAAGATCCAGTACCGCATCATCGGGACTGGGAGTGCAGAGTCTCACGGCGGTTGT
 TAGTTGTGTGGTAATCGAGAGGGTGGTTCGGCGGTGCTGCTCATCGGTGGGTACAGCCTGATGACCTGC
 TGGGGAGCATCTTCACTGTGCCCTGTGCCTGCAGAGCTCCTCCCCTGGACTCTACCTGGCCATGG
 CCTGCATCTTTGCCTTCCTCAGCTTTGGCATTGGCCCTGCCGGAGTGACGGGGATCCTGGCCAGAG
 GCTGTTTGACCAGATGGCCAGGCCTGTGCCTGCATGGTCTGCGGGCGCTCATGTGGATCATGCTCATC
 CTGGTTCGGCTGGGATTTCCCTTATCATGGAGGCCTGTCCCCTTCTCTATGTCCTTTCTTGGTG
 TCTGTGCTGTGGGGCCATCTACACTGGCCTGTTCCCTCCTGAGACCAAAGGCAAGACCTTCCAAGAGAT
 CTCCAAGGAATTACAGACTCAACTTCCCAGGCGGGCCAGGGCCCAAGGAGGAGCTGGAGGTT
 ATCCAGTCAACAGAACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217130 representing NM_001024938
 Red=Cloning site Green=Tags(s)

MRALRRLIQGRILLTICAAGIGGTFQFGYNLSIINAPTLHIQEFTNETWQARTGEPLPDHLVLLMWSLI
 VSLYPLGGLFGALLAGPLAITLGRKKSLLVNNIFVVSAAILFGFSRKAGSFEMIMLGRLLVGVNAGVSMN
 IQPMYLGESAPKELRGAVAMSSAIFTALGIVMGQVVGLRELLGGPQAWPLLLASCLVPGALQLASLPLLP
 ESPRYLLIDCGDTEACLAALRRLRGSGDLAGELEEEERAACQGCRRRPWELFQHRALRRQVTSLVVL
 GSAMELCGNDVYAYASSVFRKAGVPEAKIQYAIIGTGSCCELLTAVVSCVVIERVGRRVLLIGGYSLMT
 WGSIFTVALCLQSSFPWTLYLAMACIFAFILSFGIGPAGVTGILATELFDQMARPAACMVCALMWIMLI
 LVGLGPFIMEALSHFLVYPFLGVCVCGAIYTGFLPETKGTKFQEISKELHRLNFPRAAQGPTWRSLEV
 IQSTEL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001024938

ORF Size: 1488 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 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_001024938.4](#)

RefSeq Size: 1608 bp

RefSeq ORF: 1491 bp

Locus ID: 66035

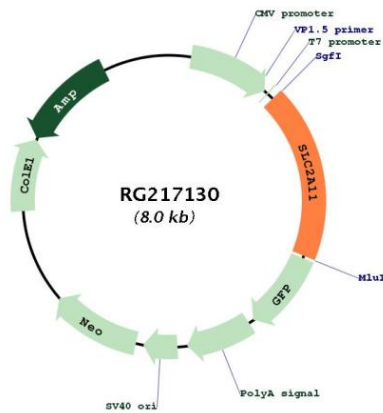
UniProt ID: [Q9BYW1](#)

Cytogenetics: 22q11.23

Protein Families: Transmembrane

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 RG217130