

Product datasheet for **RG210495**

SLC2A11 (NM_030807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A11 (NM_030807) 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:

>RG210495 representing NM_030807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGATGAACTGGAGCCGCTTACGGCCTCGGACGCAGATTAGGGCAGGATCCTGCTCCTGACCA
 TCTGCGCTGCCGGCATTGGTGGACTTTTCAGTTTGGCTATAACCTCTCTATCATCAATGCCCGACCTT
 GCACATTCAGGAATTCACCAATGAGACATGGCAGGCGCGTACTGGAGAGCCACTGCCAGATCACCTAGTC
 CTGCTTATGTGGTCCCTCATCGTGTCTCTGTATCCCTGGGAGGCCTCTTTGGAGCACTGCTTGCAGGTC
 CCTGGCCATCACGCTGGGAAGGAAGAAGTCCCTCCTGGTGAATAACATCTTTGTGGTGTGACGACAA
 CCTGTTTGGATTAGCCGAAAGCAGGCTCCTTTGAGATGGTCATGCTGGGAAGACTGCTCGTGGGAGTC
 AATGCAGGTGTGAGCATGAACATCCAGCCCATGTACCTGGGGGAGAGCGCCCTAAGGAGCTGCGAGGAG
 CTGTGGCCATGAGCTCAGCCATCTTACGGCTCTGGGGATCGTGATGGGACAGGTGATCGGACTCAGGGA
 GCTCCTAGGTGGCCCTCAGGCTGGCCCTGCTGCTGGCCAGCTGCCTGGTGGCCGGGGCGCTCCAGCTC
 GCCTCCCTGCCTCTGCTCCCTGAAAGCCCGCGCTACCTCCTATTGACTGTGGAGACACCGAGGCTGCC
 TGGCAGCACTACGGCAGCTACGGGGCTCCGGGGACTTGGCAGGGGAGCTGGAGGAGCTGGAGGAGGAGCG
 CGCTGCCTGCCAGGGCTGCCGTGCCCGCGCCCATGGGAGCTGTTCCAGCATCGGGCCCTGAGGAGACAG
 GTGACAAGCCTCGTGGTCTGGGAGTGGCAGTGGAGCTCTGCGGGAATGACTCGGTGTACGCTACGCTC
 CCTCCGTGTTCCGGAAGGCAGGAGTGGCGGAAGCGAAGATCCAGTACGCGATCATCGGGACTGGGAGCTG
 CGAGCTGCTCACGGCGGTGTTAGTTGTGTGGTAAATCGAGAGGGTGGTGGGCGCGTGTCTCATCGGT
 GGGTACAGCCTGATGACCTGCTGGGGAGCATCTTCACTGTGGCCTGTGCTGCAGAGCTCCTTCACT
 GGACACTACCTGGCCATGGCCTGCATCTTGCCTTCACTCGGCTTGGCATTGGCCCTGCCGGGAGT
 GACGGGGATCCTGGCCACAGAGCTGTTTGACCAGATGGCCAGGCTGCTGCCTGCATGGTCTCGGGGGCG
 CTCATGTGGATCATGCTCATCTGGTGGCCTGGGATTTCCCTTATCATGGAGGCTTGTCCCCTTCC
 TCTATGCTCCCTTCTTGGTGTCTGTGTCTGTGGGGCCATCTACACTGGCCTGTTCTTCTGAGACCAA
 AGGCAAGACCTTCCAAGAGATCTCCAAGGAATTACACAGACTCAACTTCCCAGGCGGGCCAGGGCCCC
 ACGTGGAGGAGCCTGGAGGTTATCCAGTCAACAGAACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG210495 representing NM_030807
 Red=Cloning site Green=Tags(s)

MEDELEPSLRPRPTQIQGRILLITICAAGIGGTFQFGYNLSIINAPTLHIQEFTNETWQARTGEPLPDHLV
 LLMWSLIVSLYPLGGLFGALLAGPLAITLGRKKSLLVNNIFVVSAAILFGFSRKAGSFEMVMLGRLLVGV
 NAGVSMNIQPMYLGESAPKELRGAVAMSSAIFTALGIVMGQVIGLRELLGGPQAWPLLLASCLVPGALQL
 ASLPLLPESPRYLLIDCGDTEACLAALRQLRSGDLAGELEEEERAACQGCRRRPWELFQHRALRRQ
 VTSLVVLGSAMELCGNDVYAYASSVFRKAGVPEAKIQYAIIGTGSCCELLTAVVSCVVIERVGRRVLLIG
 GYSLMTCWGSIFTVALCLQSSFTWTLYLAMACIFAFILGFGIPAGVTGILATELFDQMARPAACMVCGA
 LMWIMLILVGLGFPFIMEALSHFLYVPFLGVCVCGAIYTGFLPETKGTQEIISKELHRLNFPRAQGP
 TWRSLVLIQSTEL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_030807

ORF Size: 1509 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_030807.2](#), [NP_110434.2](#)

RefSeq Size: 2055 bp

RefSeq ORF: 1512 bp

Locus ID: 66035

UniProt ID: [Q9BYW1](#)

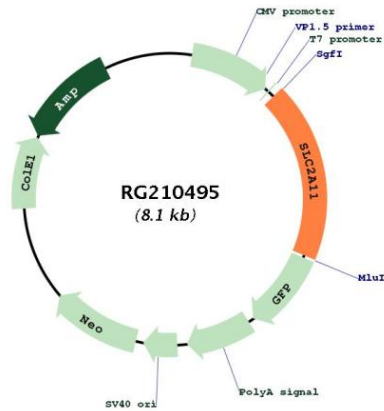
Cytogenetics: 22q11.23

Domains: sugar_tr

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 RG210495