

## Product datasheet for **RG238770**

### **SLC2A11 (NM\_001282864) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC2A11 (NM_001282864) 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)



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**ORF Nucleotide Sequence:**

>RG238770 representing NM\_001282864.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGATGAAGTGGAGCCGTCCTTACGGCCTCGGACGCAGATTACGGGCAGGATCCTGCTCCTGACC
ATCTGCGCTGCCGCATTGGTGGGACTTTTCAGTTTGGCTATAACCTCTCTATCATCAATGCCCGACC
TTGCACATTACAGGAATTCACCAATGAGACATGGCAGGCGCGTACTGGAGAGCCACTGCCCGATCACCTA
GTCCTGCTTATGTGGTCCCTCATCGTGTCTCTGTATCCCCTGGGAGGCCTCTTTGGAGCACTGCTTGCA
GGTCCCTTGCCATCACGCTGGGAAGGAAGAAGTCCCTCCTGGTGAATAACATCTTTGTGGTGTAGCA
GCAATCCTGTTTGGATTAGCCGCAAGCAGGCTCCTTTGAGATGATCATGCTGGGAAGACTGCTCGTG
GGAGTCAATGCAGGTGTGAGCATGAACATCCAGCCATGTACCTGGGGGAGAGCGCCCTAAGGAGCTC
CGAGGAGCTGTGGCCATGAGCTCAGCCATCTTTACGGCTCTGGGGATCGTATGGGACAGGTGGTCCGA
CTCAGGGAGCTCCTAGGTGGCCCTCAGGCTGGCCCTGCTGCTGCCAGCTGCCTGGTCCCGGGGGCG
CTCCAGCTCGCTCCCTGCTCTGCTCCCTGAAAGCCCGCGCTACCTCCTATTGACTGTGGAGACACC
GAGGCCTGCCTGGCAGCACTACGGCGGCTCCGGGGCTCCGGGGACTTGGCAGGGGAGCTGGAGGAGCTG
GAGGAGGAGCGCGCTGCCTGCCAGGGCTGCCGTGCCCGGCCCATGGGAGCTGTCCAGCATCGGGCC
CTGAGGAGACAGGTGACAAGCCTCGTGGTCTGGGCACTGCCATGGAGCTCTGCCGGAATGACTCGGTG
TACGCCTACGCCTCCTCCGTGTTCCGGAAGGCAGGAGTCCGGAAGCAAGATCCAGTACCGCATCATC
GGGACTGGGAGCTGCGAGCTGCTCACGGCGGTTGTAGTGTAGCTGGGGTGGATGAGGGCTGGGGGGTC
CAGGCCGGGCTGACTTCCACCTACCCCCGCCCCGTCCACGGCAGAGCTCCTTCCCCTGGACACTTAC
CTGGCCATGGCCTGCATCTTGCCTTCACTCAGCTTTGGCATTGGCCCTGCCGGAGTGACGGGGATC
CTGGCCACAGAGCTGTTTGACCAGATGGCCAGGCTGCTGCCTGCATGGTCTGCGGGGCGCTCATGTGG
ATCATGCTCATCCTGGTGGCTGGGATTTCCCTTTATCATGGTCTTGGGGTCTTTTTAAATCCCGAGG
AGGCCTTGTCCCCTTCTATGTCCCTTTCCTTGGTGTCTGTGCTGTGGGGCATCTACACTGGCC
TGTTCCTTCTGAGACCAAGGCAAGACCTTCCAAGAGATCTCCAAGGAATTACACAGACTCAACTTCC
CCAGGGGGGCCAGGGCCCCACGTGGAGGAGCCTGGAGGTTATCCAGTCAACAGAACTCTAGTCCAAA
GGGGTGGCCAGAGCCAAAGCCAGCTACTGCTCTGCTGCTTCTGCCAGGGCCCTGGTCTCACTC
CCTCCTGCATTCTCATT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238770  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEDELEPSLRPRPTQIQGRILLTICAAGIGGTFQFGYNLSIINAPTLLHIQEFNETWQARTGEPLPDHL
VLLMWSLIVSLYPLGGLFGALLAGPLAITLGRKSLVNNIFVVSAAILFGFSRKAGSFEMIMLGRLLV
GVNAGVSMNIQPMYLGESAPKELRGAVAMSSAIFTALGIVMQVVGLRELLGGPQAWPLLLASCLVPGA
LQLASLPLLPESPRYLLIDCGDTEACLALRRLRGSGDLAGELEEEERAACQGCRRARPWELFQHRA
LRRQVTSLVVLGSAMELCGNDVYAYASSVFRKAGVPEAKIQYAIIGTGSCCELLTAVVSVAGVDEGWV
QAGLTSTSPPPRPRQSSFPWTLYLAMACIFAFILSFGIGPAGVTGILATELFDQMARPAACMVCALMW
IMLILVGLGFPFIMVLGSFLIRRRPCPTSSMSLSLVSVSGPSTLACSLRPKARPSKRSRPNYTDSTS
PGGPRAPRGAWRLSSQQNSSPKGVARAKASYCPVLCFLPGPWSLPPAFLI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

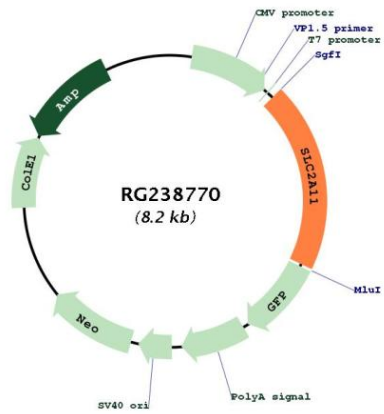
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


- ACCN:** NM\_001282864
- ORF Size:** 1605 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).
- RefSeq:** [NM\\_001282864.1](#), [NP\\_001269793.1](#)
- RefSeq Size:** 3264 bp
- RefSeq ORF:** 1608 bp
- Locus ID:** 66035
- Cytogenetics:** 22q11.23
- Protein Families:** Transmembrane
- MW:** 57.6 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 RG238770