

Product datasheet for **SC306610**

SLC2A14 (NM_153449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC2A14 (NM_153449) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC2A14
Synonyms:	GLUT14; SLC2A3P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306610 representing NM_153449.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGTTTCACAATGGTGGCCATGTGTCTGGAATTGGTGGTCTTGGTCTCACTGACTTCAAGAATG
AAGCCGCACACCCTCGCAGTCACCCAGCTCTGATCTTTGCCATCACAGTTGCTACAATCGGCTCTTTC
CAGTTTGGCTACAACACTGGGGTCATCAATGCTCCTGAGACGATCATAAAGGAATTTATCAATAAACT
TTGACGGACAAGGCAAATGCCCTCCCTCTGAGGTGCTGCTCACGAATCTCTGGTCTTGTCTGTGGCC
ATATTTCCGTCGGGGTATGATCGGCTCTTTCCGTCGGACTCTTGTAAACCGCTTTGGCAGGCGC
AATTCAATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGTGCCTTATGGGACTGTGAAAATAGCT
GAGTCAGTTGAAATGCTGATCCTGGGCCGCTTGGTTATTGGCCTCTTCTGCGGACTCTGCACAGTTTT
GTGCCATGTACATTGGAGAGATCTCGCCTACTGCCCTGAGGGTGCCTTTGGCACTCTCAACCAGCTG
GGCATAGTTATTGGAATCTGGTGGCCAGATCTTTGGTCTGAACTCATCCTTGGGTCTGAAGAGCTA
TGGCCGGTCTATTAGGCTTTACCATCCTCCAGCTATCTGCAAAGTGCAGCCCTCCATGTTGCCCT
GAAAGTCCAGATTTTTGCTCATTAAACAGAAAAAAGAGGAGAATGCTACGCGGATCCTCCAGCGTTG
TGGGGCACCCAGGATGTATCCCAAGACATCCAGGAGATGAAAGATGAGAGTGCAAGGATGTCACAAGAA
AAGCAAGTCAACGCTGCTGGAGCTCTTAGAGTGTCCAGCTACCGACAGCCCATCATTTCCATTGTG
CTCCAGCTCTCTCAGCAGCTCTCTGGGATCAATGCTGTGTTCTATTACTCAACAGGAATCTCAAGGAT
GCAGGTGTTCAACAGCCCATCTATGCCACCATCAGCGCGGGTGTGGTTAACTACTCTTCACTTTACTT
TCTCTATTTCTGGTGGAAAGGGCAGGAAGAAGGACTCTGCATATGATAGGCCTTGGAGGGATGGCTTTT
TGTTCCACGCTCATGACTGTTTCTTTGTTATTAAGAATCACTATAATGGGATGAGCTTTGTCTGATT
GGGGCTATCTTGGTCTTTGTGGCCTGTTTGAATTGGACCAGGCCCCATTCCCTGGTTTATTGTGGCC
GAACTCTTCAGCCAGGGCCCGCCAGCTGCGATGGCAGTGGCCGGCTGCTCCAACGGACCTCCAAC
TTCTAGTCGGATTGCTCTTCCCTCTGCTGCTTACTATTTAGGAGCCTACGTTTTTATTATCTTACC
GGCTTCTCATTACCTTCTTGGCCTTTACCTTCTCAAAGTCCCTGAGACCCGTGGCAGGACTTTTGAG
GATATCACACGGGCTTTGAAGGGCAGGCACACGGTGCAGATAGATCTGGGAAGGACGGCGTCATGGGG
ATGAACAGCATCGAGCCTGCTAAGGAGACCACCACCAATGTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_153449
- Insert Size:** 1563 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_153449.3](#)

RefSeq Size: 3650 bp

RefSeq ORF: 1563 bp

Locus ID: 144195

UniProt ID: [Q8TDB8](#)

Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 56.3 kDa

Gene Summary: Members of the glucose transporter (GLUT) family, including SLC2A14, are highly conserved integral membrane proteins that transport hexoses such as glucose and fructose into all mammalian cells. GLUTs show tissue and cell-type specific expression (Wu and Freeze, 2002 [PubMed 12504846]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (a).