

Product datasheet for **SC335946**

SLC2A14 (NM_001286236) Human Untagged Clone

Product data:

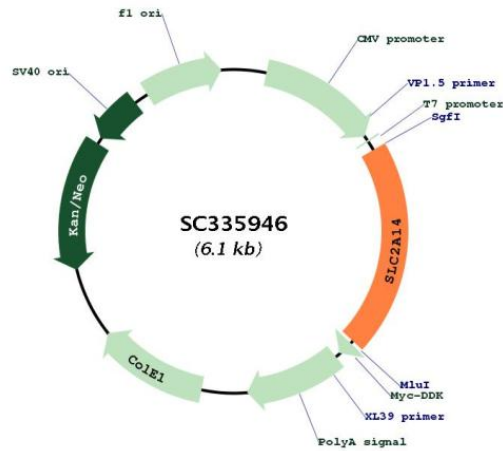
Product Type:	Expression Plasmids
Product Name:	SLC2A14 (NM_001286236) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC2A14
Synonyms:	GLUT14; SLC2A3P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335946 representing NM_001286236. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCTGAGACGGCGCAATCAATGCTGATTGTCAACCTGTTGGCTGCCACTGGTGGCTGCCTTATG
GGACTGTGTAATAAGCTGAGTCAGTTGAAATGCTGATCCTGGGCGCTTGGTTATTGGCCTCTTCTGC
GGACTCTGCACAGGTTTTGTGCCATGTACATTGGAGAGATCTCGCTACTGCCCTGAGGGGTGCCTTT
GGCACTCTCAACCAGCTGGGCATAGTTATTGGAATCTGGTGGCCAGATCTTTGGTCTGGAACATC
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GCCCTTCCATGTTGCCCTGAAAGTCCCAGATTTTGTCTATTAACAGAAAAAAGAGGAGAATGCTACG
CGATCCTCCAGCGGTTGTGGGCACCCAGGATGTATCCAAGACATCCAGGAGATGAAAGATGAGAGT
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ATGAGCTTTGTCTGTATTGGGCTATCTTGGTCTTTGTGGCCTGTTTTGAAATTTGACCAGGCCCAT
CCCTGGTTTATTGTGGCCGAACCTTTCAGCCAGGCCCCCGCCAGCTGCGATGGCAGTGGCCGGCTGC
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GTTTTTATTATCTTACCAGGCTTCTCATTACCTTCTTGGCCTTTACCTTCTCAAAGTCCCTGAGACC
CGTGGCAGGACTTTTGGGATATCACACGGCCTTTGAAGGGCAGGCACACGGTGCAGATAGATCTGGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001286236

Insert Size: 1236 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).

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_001286236.1](#)

RefSeq Size: 3453 bp

RefSeq ORF: 1236 bp

Locus ID: 144195

UniProt ID: [Q8TDB8](#)

Cytogenetics: 12p13.31

Protein Families: Transmembrane

MW: 44.9 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 (5) differs in the 5' UTR and contains multiple differences in the coding region, compared to variant 1. It initiates translation at an alternate downstream start codon. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.